

*The*  
**CHEMIST AND DRUGGIST**  
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3369  
CXLII

SEPTEMBER 2, 1944

Annual Subscription (with  
Diary) 25/- Single copies 9d.

*THE CHILDRENS' CHOICE*

*Torch Brand*

**MALT  
& OIL**



**ALLEN & HANBURY'S LIMITED, LONDON, E.2**

PHONE: BISHOPSGATE 3201 (12 LINES). WIRES: "GREENBURYS, BETH, LONDON"

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# TAKA-DIASTASE

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●

**P**ARKE, DAVIS & CO. wish to announce that they now have supplies of Taka-Diastase, and that the following products are available:—

**Taka-Diastase Tablets**  $2\frac{1}{2}$  grains

**Taka-Diastase & Pepsin Compound Tablets**

**Taka-Diastase, Pepsin & Pancreatin Tablets**  
(C.C.T. 296)

*Each of the above tablets is supplied in bottles of 25 and 100.*

**Taka-Diastase Sedative Elixir (No. 198)**

*In bottles of 4 and 16 fluid ounces.*

**Taka-Diastase Liquid**

*In bottles of 4 and 16 fluid ounces.*

**Takazyma**

*In jars containing approximately 2 ounces.*

●

**PARKE, DAVIS & CO.**  
**50 Beak Street, London, W.1**  
*Inc. U.S.A., Liability Ltd.*



# Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

# Elasto

REGISTERED

The Wonder Tablet

## Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

### Varicose Veins

"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon.

AP 1180.

— R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since.

AT 1108.

— F. T.

### Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

— E. H.

### Rheumatism

"I may say that I have found 'Elasto' a wonderful help. For years I suffered with rheumatism in feet and legs, and at times found it difficult to keep about. 'Elasto,' however, afforded me im-

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

**Recommend 'Elasto'—and a satisfied customer will recommend You!**



A SOUND LINE  
A GENEROUS PROFIT

Retail Price 5/- per pkt.  
\* Including purchase tax.

Wholesale 42/- per doz.  
\* Including purchase tax.

A FEW SHOWCARDS STILL AVAILABLE

**PATA**

## The NEW ERA TREATMENT CO., LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1



# there's plenty

The Ministry of Food's official issue of cod liver oil wisely ensures priority supplies for children under five and for mothers. But older children and adults also need cod liver oil because of its great value in maintaining healthy resistance to infection and epidemics.

SevenSeaS pure cod liver oil is now in good supply and there is no need for its use to be restricted to mothers and young children.

Therefore we appeal to the Medical, Nursing and Pharmaceutical professions to help in informing the public of this satisfactory state of affairs. The normal professional and commercial services of the country are in a position to cater for those whose needs are as yet outside the scope of official activities.

For our part, we are devoting our restricted advertising space to this purpose. Our advertisements explain the particular importance of cod liver oil in wartime ; its value to growth in children and the maintenance of reserves of nervous-strength in adults. They emphasize the good supply position and urge the taking of SevenSeaS as a daily ration supplement to make good the present lack of fats.

*Issued by*

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.  
ST. ANDREW'S DOCK, HULL.

*Makers of*

# SevenSeaS



VETERINARY

**EVANS**

PRODUCTS

Farmers will soon be asking for

# **EVANS BRAXY VACCINE**

Practical experience has taught farmers that losses of sheep through Braxy can be prevented by inoculation with Evans Braxy Vaccine. This fact and the low cost of inoculations are being stressed in consistent publicity in the farming press.

Supplies of Evans Braxy Vaccine are available for immediate delivery and chemists are recommended to order adequate stocks now to meet the coming demand.

## **EVANS BRAXY WHOLE CULTURE VACCINE**

	Retail	Wholesale
Containers of 50 c.c. ....	3/3 each	26/- doz.
"    " 100 c.c. ....	4/6   "	36/-   "
"    " 250 c.c. ....	10/6   "	84/-   "

**EVANS SONS LESCHER AND WEBB LTD**

FINE CHEMICALS   \*\*  BIOLOGICALS   \*\*  PHARMACEUTICALS

# **New standard parcels for STOCK SENSE Concentrate Poultry Conditioner**

Owing to the introduction of a new pack, drums taking the place of existing containers, the  $7\frac{1}{2}$ d. and 1/6 sizes can no longer be packed in the same case.

Standard Cases now consist of one size drum only, and Standard Parcels are :—

Case No. 1 ....  $5\frac{1}{2}$  doz.  $7\frac{1}{2}$ d. drums

Case No. 2 ....  $2\frac{3}{4}$  doz. 1/6d. drums

Case No. 3 .... 1 doz. 4/- drums

Bulk sizes: 5 lb. bags, 8/6d. ; ....  $\frac{1}{2}$  cwt. sacks, 75/-.

**BOB MARTIN LTD., SOUTHPORT, LANCs.**

**PATA**

Established 1878.

**Labels-  
Cartons-  
Envelopes-**

**& EVERY DESCRIPTION  
OF MEDICAL PRINTING**

**ALF. HARRISON & SONS** L  
T  
D.  
*Chemists' Printers*  
**BURLEY ROAD, LEEDS, 4.**

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## ALLIED LABORATORIES, LTD.

desire to inform all chemists and wholesalers that complete stocks of the following Products :—

**ANTOIN** . . . for Rheumatic conditions

**ASMOTIL** . . . for relief of Asthma

**EXAMONE** . for all skin eruptions

**FLOCUSIL** . for allergic manifestations

are held and can be obtained from their distributors :

**WILCOX, JOZEAU & CO.,**  
**LTD.**

74-77 WHITE LION STREET, LONDON, N.I.





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# Disinfectants

to Hospitals, Public Institutions, Local Councils, &  
REMEMBER that

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the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms.

Carbolic Disinfecting Fluids containing 10% to  
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White Disinfecting Fluids—miscible in salt, fresh  
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Lysol B.P. Quality.

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Carbolic Sheep Dips, approved by the Ministry  
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Formaldehyde (Formalin) 40% Solution.

Carbolic Weed Killer, etc.

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Special Disinfectant Fluids approved by the Ministry of Agriculture under the  
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### LONG OVERALL COATS (SHRUNK)

Men's. White or Khaki  
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Let us add your  
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Write us today!

**SPEED  
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CLINICAL REGD.

The position of the Mercury column is at once  
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Looking ahead, however, we anticipate providing a series of Cameras at prices that will suit every pocket.

Catering for the beginner and the younger generation, there will again be that popular camera

## THE SOHO S.K.12 FOLDER

whilst for the more advanced and serious worker there will be a choice of other models including

## THE SOHO REFLEX

which is still

## THE BEST CAMERA IN THE WORLD

The possibilities of so pleasurable a pastime will come as a relief.

Records are kept of enquiries made under present conditions, and at a later date contact will be made, and information given with pleasure.

*if you would like your name added to the list, write to our temporary war-time address—*

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3 EMBASSY BUILDINGS, GERMAIN STREET, CHESHAM, BUCKS

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We offer

Genuine **SULPHATE OF COPPER**  
and

**CARBOLISED SEED DRESSING**

Bulk or 1-lb. cartons. Own name.

Also Chemists' Formulæ—bulk or packed  
in 1-lb. cartons. Own name.

**LOSALL'S "TENT-ALL"**

**Liquid Seed Dressing**

An up-to-date dressing for wheat, barley,  
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Quart tins Retail price 1/9 each .. 14/- doz.

1-gall. tins " " 5/- " " 40/- " "

5-gall. tins " " 20/- " " 160/- " "

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LTD.

Manufacturing Chemists - - HULL

## BATTLE'S VERMIN KILLER

IN PACKETS

5d., 9d., 1/3, 2/6, 5/-, P.A.T.A.

WHOLESALE AT

3/-, 5/6, 9/-, 18/-, 36/- per doz.

Order some today from your wholesaler

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YEAST FOR ANAEMIA

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WARREN WORKS, PUDSEY, LEEDS



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*...can increase yours*

Your recommendation of this proven  
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to exterminate rats which are such  
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Rodine Works  
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Phosphorus

*Rat Poison*

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# HOGG'S 'EETLE-ROACH

1/- and 5/- per box

Kills Beetles, Cockroaches, Ants,  
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The demand is far greater than our  
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Trade Prices : 8/- and 40/- per doz.

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TRANSPARENT TAPE · SPECIALITY: ORIGINAL DESIGN

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The Chemist has his own problem. Although in many cases his display space is unchanged, he has to determine how to put it to the best possible use, both for the present and for the future goodwill of his business. It is worth remembering, therefore, that an 'ASPRO' not only qualifies for bonus terms, but capitalises and preserves for you the goodwill of the leading medicinal line.

Fortunately, we are still able to supply a display or sticker on request, but it has become a matter of vital concern to the Nation that every piece of display material should be made to last. No more can be made or printed, so please use our present display as long as possible. When it is really worn out, put it with our other salvage and write us for a new one.

We have a limited supply of chemists' 2-oz. bags available.

# 'ASPRO'

Made in England by  
SPRO LTD., Slough, Bucks.  
Telephone: Slough 22381

**ASPRO**  
REG. TRADE MARK

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## SPECIAL ANNOUNCEMENT regarding GELATINE CAPSULE

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We hold a limited quantity of Curicones in Gelatine Capsules and these are being rationed in FIVE SHILLING Bottles. The 24/- size is temporarily withdrawn until Tablet supplies are ready. In the meantime, you should still recommend

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FOR ALL RHEUMATIC AILMENTS

ORDER THROUGH YOUR  
USUAL WHOLESALER

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HAS NOT ONLY SECURED AN UNPRECEDENTED SUCCESS AS THE  
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## ASTHMA, BRONCHITIS AND EMPHYSEMA

BUT IT HAS ALSO PROVED A REMARKABLE BUSINESS GETTER OWING  
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**INCREASE YOUR TURNOVER BY RECOMMENDING RIDDOBRON  
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### SPASMOPURIN SUPPOSITORIES

Adjuvant to RIDDOBRON inhalation Treatment.  
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Adjuvant to RIDDOBRON Inhalation Treatment.  
Indispensable for: BRONCHITIS, LARYNGITIS,  
TONSILLITIS, CATARRHS, HAYFEVER,  
HOARSENESS AND SORE THROAT.

**RIDDELL INHALERS GUARANTEE THE BEST RESULTS**



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"THE LEADING HOUSE FOR INHALATION THERAPY"  
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**PATA**

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## Nutritional Food Tonic

A perfectly balanced combination of  
10 essential Minerals *plus* Vitamin B<sub>1</sub>.  
Can be recommended with every  
confidence in cases of:—

**TIREDFNESS  
DEPRESSION  
LASSITUDE  
GENERAL DEBILITY**

*Vikelp is obtainable from your regular whole-  
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*Fluro* **POWDERS  
& TABLETS**  
APPROVED  
SPECIFIC FOR

**HEADACHES, COLDS, 'FLU  
RHEUMATIC PAINS, ETC**

Increasing Sales Prove Popularity—Write for Terms  
SOLE PROPRIETORS: **A. S. PRICE & Co., Ltd.**  
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PERFECT Skin Health*

A revolutionary product for the treatment  
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power. Sold under a money-back guarantee  
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deliveries.

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BC2



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For the  
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*Richard Daniel & Son*  
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*The Approved*  
**TONIC CUP**  
*With a Cherry Flavour*

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**IT'S A TONIC FOR  
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*Enquiries Solicited*

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*Antiphlogistine*  
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is a safe and dependable first-aid surgical dressing for  
**BURNS, ABRASIONS, CUTS, SPRAINS, SCALDS, etc.**  
and wherever inflammation is present

*it is a reliable and profitable item to handle, always*

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*to the Asthmatic*  
**GOODWILL**  
*to the Chemist*

30 TABLETS

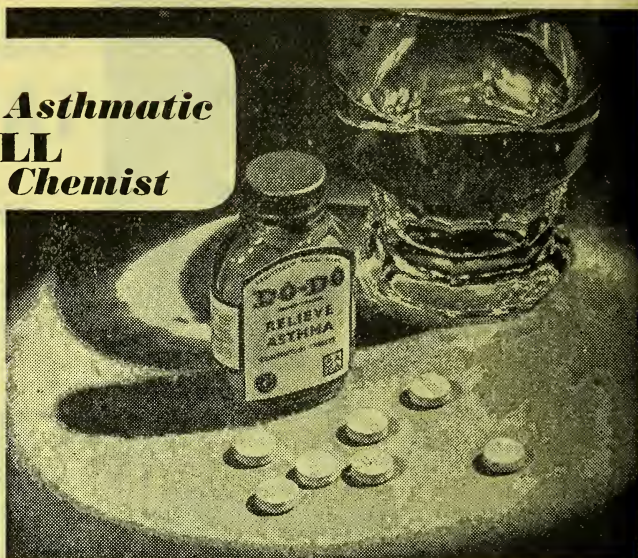
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TRIAL SIZE

7 FULL DOSES

**1/1**

PRICES INCLUDE PURCHASE TAX

**PATA.**

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**A CHEMIST SAYS**

There is no  
 remedy to  
 equal it!



and am delighted to recommend  
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**PRICES:**

**1/6, 5/-, 12/-, 20/-**

(exclusive of purchase tax)

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**CAERNARVON, NORTH WALES**

**DR SINGHA**  
**ASTHMA TABLETS**

**FOR ARTHRITIS**  
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Prepared under Medical supervision and  
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 Sodii Tart. B.P. Add. 1936.

*Lancet 19.2.44, p. 264*

Prices to the Medical Profession

Rubber Capped Bottles

**10 c.c. 10/-; 60 c.c. 50/-**

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*Write for Medical Literature*

**C. J. HEWLETT & SON, LTD.**  
**35-43 Charlotte Road, LONDON, E.C.2**





*'Dettol' Ointment is now packed in jars, instead of tubes, in order to save metal for munitions.*

## Dettol Ointment

presents the active germicidal principle (*P*-chlor-*M*-xylenol) of 'Dettol' antiseptic in a smooth, soothing base. The base is emollient and curative. It penetrates deeply, effecting close and prolonged contact between the bacteria and the bactericide. For all septic, and potentially septic, conditions of the skin, where an ointment form is preferable to a liquid antiseptic, 'Dettol' Ointment may be recommended with confidence.

*Packed in 1-lb. jars for Hospital and Surgery use.*

RECKITT AND SONS,  
HULL AND LONDON. (PHARMACEUTICAL DEPT., HULL)

# "OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

## OXO LABORATORY PREPARATIONS

"OXOID" Brand

# OESTRIN

FOR THE TREATMENT OF

**MENOPAUSE**

**MENSTRUAL IRREGULARITIES**

**UTERINE INERTIA**

**SUPPRESSION OF LACTATION**

**AMENORRHOEA, etc.**

Ampoules: 1000-50000 I.B.U.    Tablets: 1000 I.U.

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Thames House, Queen Street Place,

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## Exceptional Service and Special Terms

For all SURGICAL DRESSINGS  
CHEMISTS' SUNDRIES  
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Specialities:—

**ASPIRIN, CASCARA  
SAGRADA, Etc., Etc.**

We invite enquiries for any lines  
you may have difficulty in obtain-  
ing. We know we can help you.

Special attention to  
Post Orders

Delivery by  
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PROPRIETARIES**



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## A Real Analgesic Alkaliser

This is the formula of Neodex  
Seltzer:

Lithii Benzoas. . . . .	3
Acidum Acetylsalicylicum. . .	10
Acidum Citricum . . . . .	34
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Every pharmacist will appreciate  
how confidently he can recom-  
mend it for Headaches, Digestive  
Troubles and many types of  
Rheumatic and Neuralgic pains.  
There is no product on the mar-  
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of properties. It is not a laxative.

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Vichy, Contrexeville and Kissingen Mineral Water Varalettes 50 Varalettes,  
2s. 150 Varalettes, 4s. 23d. 500 Varalettes, 11s. 10d. (inc. Pur. Tax). We send  
them to you care of your chemist, whose address kindly furnish on your order.  
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to ask all our friends to take stocks of VARALETTES.  
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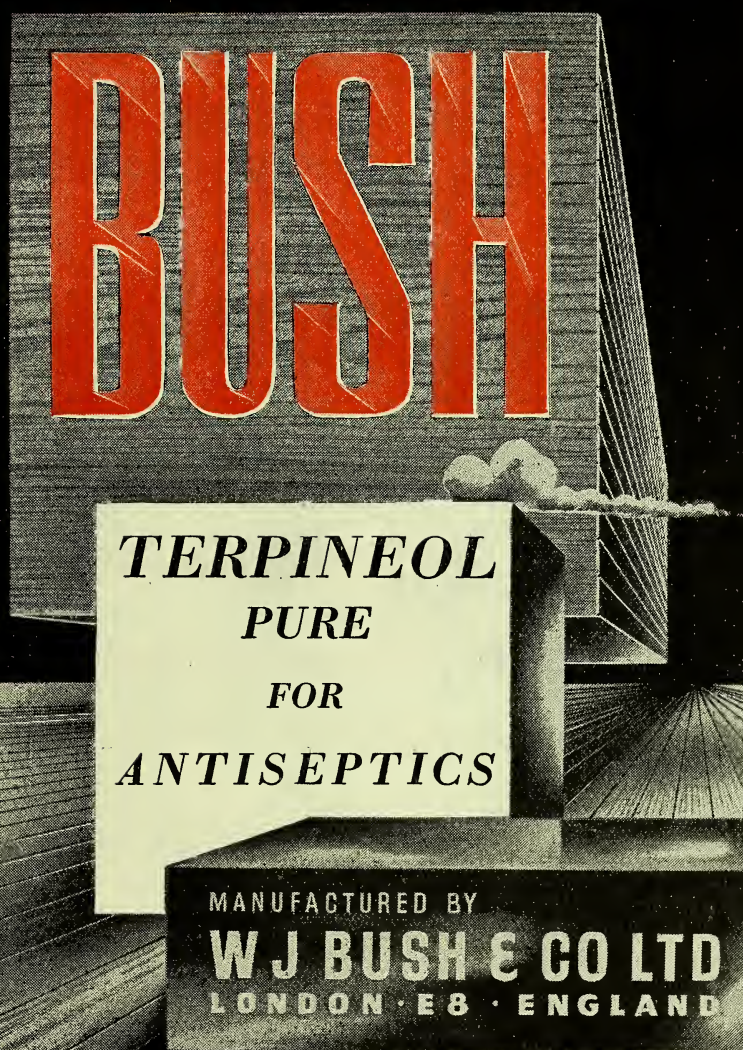


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**Alfred Bishop Ltd**

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**FOR**  
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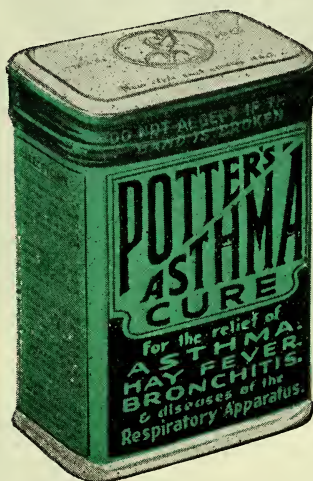
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# Potter's Asthma Cure

Price 2/2  
per Tin (inc. tax).

Wholesale  
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Packed in Half Doz.

Plus 3/- per Doz. tax

Well advertised and world famous . . . A sound selling line for every Chemist.

## POTTER & CLARKE LTD

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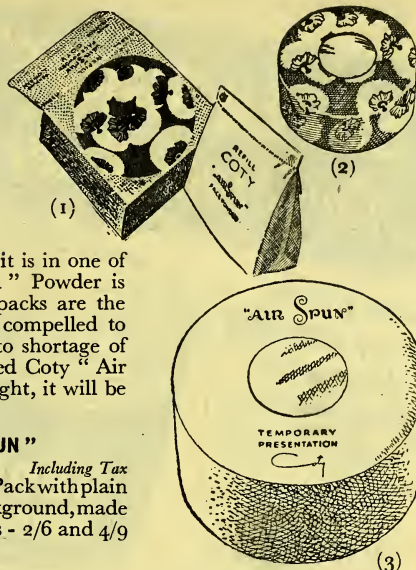
## IMPORTANT ANNOUNCEMENT

DO NOT accept Coty "Air Spun" unless it is in one of the packs illustrated here. "Air Spun" Powder is sold in no other way. The three different packs are the result of wartime economies we have been compelled to introduce during the last two years owing to shortage of material and labour. If you should be offered Coty "Air Spun" in any other form, even loose by weight, it will be an *imitation*.

### RETAIL PRICES OF COTY "AIR SPUN"

	<i>Including Tax</i>	<i>Including Tax</i>
(1) Refill of "Air Spun" 2/3		(3) New War Pack with plain
(2) War Pack "Powder- Puff" design - - 2/6		cream background, made in two sizes - 2/6 and 4/9

Protected by the P.A.T.A.



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TELEPHONE: LEIGHTON BUZZARD 2383

## If there's delay

in supplying all your orders for  
Mercolized Wax, Clymol Berries for  
Obesity and the rest of our lines,  
don't blame us—Blame the War.

But we will soon be back in full pro-  
duction, so please continue to send  
your enquiries to Leighton Road.

## DEARBORN (1923) LTD.

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# 'SUPER SHAVE' for 'Super' Sales

and for the  
perfect BRUSHLESS  
shave with  
after-shaving  
freshness!



RETAILS AT  
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Obtainable at Chemists and  
Hairdressers' Sundriesmen

LONDON PHARMACEUTICAL LABORATORIES, LTD. 24 THORNSETT ROAD, LONDON, S.W.18

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**VALOPTO** is the newest up-to-date Eye Lotion made under strict Laboratory control, filtered bacteria-free, every batch is certified sterile by independent bacteriologist. Isotonic with the lacrimal fluid. pH 7.4.

Doctors write: "A sound and ethical therapeutic preparation . . ." "Entirely satisfactory for the purpose of a general Eye Lotion for the relief and prevention of mild infectious conditions of Conjunctiva and to act as a mild stringent lotion, thus relieving the effects of circulatory disturbances leading to mild degrees of Conjunctival oedema."

—M.B., M.R.C.S., L.R.C.P.

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PATA

# HORMOTONE "T"

To obviate delays in meeting the increasing number of prescriptions for Hormotone "T", chemists are invited to replenish their stock now.

IMMEDIATE SUPPLIES FROM STOCK

**G. W. CARNRICK CO.**

20 Mount Pleasant Avenue  
NEW JERSEY, U.S.A.

DISTRIBUTORS :

**BROOKS & Warburton, LTD.**  
232 Vauxhall Bridge Road, S.W.1

Orders for "HORMOTONE" "T" Brand or any of the other products listed below can be accepted for immediate delivery from stock.

Order through your usual wholesale or direct from sole distributors.

"HORMOTONE" "T" Brand in bottles of 40 tablets only.

Also available from stock:

HORMOTONE Brand, bottles of 100 and 500 tablets.  
HORMOTONE Brand without POST-PITUITARY, bottles of 100 tabs.  
TRYPSOGEN Brand, bottles of 100 and 500 tabs.  
TRYPSOGEN Brand (special coated) bottles of 100 and 500 tabs.  
COLOPO Brand, bottles of 40 tabs.

## Little-known Limericks—No. 4



*There was a young trav'ler  
from Brand  
Who had all the answers in hand,  
But, although ever willing,  
His reception was chilling  
When supply was not up to demand.*

WE do not claim to know all the answers on how to meet the demands of your customers with the limited stocks available today. But we are doing the best we can for our customers by distributing our supplies on a strictly fair quota basis.

**BRAND & CO. LTD.**  
LONDON

## FIELD-DAY

Will Chemists who are experiencing difficulty in obtaining adequate supplies of FIELD-DAY SHAVING CREAM please communicate with us direct

**J.C & J.FIELD  
LTD**

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COMMON - LONDON S.W.19

# 'KEPLER'

BRAND

**COD LIVER OIL  
with  
MALT EXTRACT**

and other 'Kepler' products

## NEW PRICES *from September 1st*

(Not applicable in Eire)

**large bottle, 5/9; small bottle, 3/3**

TO CLAIM CREDIT (difference between old and new trade prices)—

RETAILERS: Claim immediately on stocks held at opening of business on September 1st. If you bought direct, claim direct; if through a wholesaler, claim through the wholesaler. In either case use the application form below.

WHOLESALE: Claim immediately on stocks held at opening of business on September 1st, using the appli-

cation form below. Sub-claims should be made as soon as possible, giving the name and address of each claimant and the quantities concerned.



**BURROUGHS WELLCOME & CO.**  
(The Wellcome Foundation Ltd.)  
12, Red Lion Square, London, W.C.1  
(Temporary Wartime Address)

### APPLICATION FOR CREDIT ON STOCKS

THIS FORM TO BE COMPLETED AND POSTED NOT LATER THAN SEPTEMBER 15TH.

I/We certify that, at the opening of business on September 1st, 1944, my/our stock of the undermentioned products is as follows:

Large Small

'KEPLER' COD LIVER OIL WITH MALT EXTRACT.....units.....units

'KEPLER' MALT EXTRACT.....units.....units

'KEPLER' COD LIVER OIL WITH MALT EXTRACT  
AND CHEMICAL FOOD.....units.....units

Name.....Date.....

Address.....

DO NOT EMBODY CLAIM IN AN ORDER OR CORRESPONDENCE

*Not only at the Critical Moment*  
**BUT EQUALLY IN**  
**CHRONIC CONDITIONS**

BRITISH  
MADE

*Coramine*

TRADE MARK  
REGISTERED

BRAND OF NIKETHAMIDE B.P.

*Stimulant of the Vital Centres*

In addition to the Ampoules for subcutaneous, intra-muscular and intravenous injection, oral administration may be undertaken

with

**CORAMINE LIQUID**

in certain chronic cardiac affections and to combat respiratory and circulatory disorders arising from fatigue and exhaustion

(Bottles of 15 and 100 c.cm.)

and

**CALCIO-CORAMINE**

double salt of Coramine and calcium sulphocyanate, possessing a reinforced expectorant action in the treatment of bronchitis, catarrh, bronchopneumonia and in cardio-respiratory insufficiency.

(Bottles of 20 Tablets)



Coramine and Calcio-Coramine are made exclusively by CIBA.

Supplies through usual channels.

**THE LABORATORIES, HORSHAM, SUSSEX.**

Telephone: HORSHAM 1234.

Telegrams: CIBALABS, HORSHAM





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For RETAILER — WHOLESALE — MANUFACTURER

Published Weekly at

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Telephone: Central 6565 (10 lines)

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17 ARGYLE STREET, BATH

Telephone: Bath 5492

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## NEWS OF THE WEEK

**Toilet Preparations Advisory Committee.**—The Board of Trade has appointed Mr. J. Black (Dorothy Gray, Ltd.) to be a member of the Toilet Preparations Advisory Committee.

**"Cost of Works" Pamphlet.**—Copies of the War Damage Commission's pamphlet "Cost of Works" (Form ROD.1) are now on sale at H.M. Stationery Office, Kingsway, London, W.C.2, price threepence per copy.

**Notice to Pre-war Herb Importers.**—The Ministry of Food is prepared to consider applications from importers to participate in distributing a limited quantity of imported herbs. Participation will be granted only to applicants who imported thyme, sage and marjoram for culinary purposes during the three years ended August 31, 1939, and importers are invited to apply to the Import Section, Ministry of Food, 59 Holywell Street, Oxford, for application forms on which they are required to certify their trading in the autumn period.

**Registered as a Trade Union.**—The Registrar of Friendly Societies has registered the National Pharmaceutical Employees' Union under the Trade Union Acts, 1871-1940. The registered office of the Union is 21 Charterhouse Street, London, E.C.1.

**U.S. Penicillin Reaches Eire.**—A small quantity of penicillin has reached the Irish Medical Research Council in Dublin from the Abbott Laboratories, Chicago, Illinois, U.S.A. It is being retained for use in cases of grave emergency. The Council anticipates the importation of further supplies from the United States.

**Savings Target Exceeded.**—A "Salute the Soldier" competition between the wholesale and retail staffs of Boots, Ltd., Nottingham (see *C. & D.*, April 29, p. 455), resulted in the full target being exceeded by 44 per cent. The wholesale staff aimed at £60,000 and obtained over £73,000; the retail staff's target was £90,000 and they obtained over £142,000.

**Black Market Cosmetics.**—Pleading guilty to three charges under the Toilet Preparations Order, Bendali Laglee Kangee, perfumery dealer, was at North Kensington, London, police court recently fined £300, with £21 costs, or three months' imprisonment in default. The Board of Trade was given power to seize lipsticks found at Kangee's premises.

**Harrow Branch Questionnaire.**—A questionnaire seeking the views of members on the proposed National Health Service has been sent to its members by the Harrow Branch of the Pharmaceutical Society. The questions deal with twenty-two main points, and most questions are divided into several sections. Members are asked to ensure a hundred-per-cent. poll by completing and returning the questionnaire not later than September 20.

**Alleged Drug Addict.**—At Bow Street, London, police court, recently, John Desmond Kerr-Thomas, labourer, Brixton, was charged with forging a medical prescription for 1½ oz. paraldehyde in the name of Dr. T. H. Roberts, Westminster. There was a second charge of obtaining 1½ oz. of the drug by false pretences from a shop at High Road, Streatham Common. Kerr-Thomas was discharged by the magistrate with the recommendation that he should obtain advice from a medical practitioner.

**Inquest Verdict.**—At an inquest at Catford, recently, on a motor lorry attendant, who died after swallowing a quantity of zinc chloride solution, the coroner stated that death was undoubtedly due to the chemical, a poison unlikely to be taken without the deceased realising what he had done. A Home Office analyst stated that the solution would not commend itself to the average layman as a way of poisoning himself unless he was accustomed to soldering. An open verdict was returned.

**Aspirin Fatality.**—At an inquest at Bangor, North Wales, recently, on Walter George Bailey, who died after taking aspirin tablets, the coroner stated: "I find he died from aspirin poisoning, self-administered, and I leave open the question of what his intentions were, whether it was a medicinal dose or whether there was any other motive." It was stated that Bailey bought a bottle containing 100 aspirin tablets on the day before he died, and that seventy-four tablets remained in the bottle after his death.

**Overdose of Sleeping Tablets.**—At an inquest at Walthamstow, recently, a verdict

of accidental death was returned on Albert Edward Chapel, Warren Road, Wanstead, London, E., the coroner stating that he was satisfied Mr. Chapel had no intention of committing suicide. Evidence was given that deceased suffered from bronchitis and asthma, and had been taking sleeping tablets (medinal, gr. 5) for three years. His widow said she was not aware whether they were being taken under a doctor's prescription, but when she herself had slept badly he had encouraged her to take the tablets declaring that they were perfectly harmless.

**Irish Chemists' Golf.**—The Irish Chemists' Golfing Society held competitions at Sutton Golf Club on August 23 for prizes presented by P. C. Cahill & Co., Ltd. In an eighteen holes strokes contest the first prize was won by Mr. Eric Dawson (22), 69, and the second by Mr. J. Mason (10), 70. Mr. T. R. Bourke, M.P.S.I. (captain of the Sutton Club), was winner of the best net first nine holes with 34½ (13), and the winner of the best net second nine was Mr. G. Britton (24), 34. Mr. S. J. Savage (captain of the Society) presided at a meeting held later at the club house, when the prizes were presented by Mr. P. C. Cahill on behalf of his company. A vote of thanks to the donors of the prizes was carried on the motion of Mr. Dawson, seconded by Mr. Mason. Mr. Cahill replied. The next outing will be to Clontarf Golf Club on September 20.

**Russian Serum Tested.**—The Empire Rheumatism Council has reported that test it has carried out on a "scanty supply that arrived from Russia of the A.C.L. serum of Professor Bogomoletz (see *C. & D.* July 8, p. 33) have not given results which would justify a favourable verdict. The best that can be said, they state, is "not proven." Nevertheless, in view of the high reputation of Soviet medical research it is possible that, with a more detailed statement of the optimum methods of employment and some lead as to the type of rheumatic disease for which the serum is best adapted, the claim advanced for it may be substantiated. So soon as war conditions in Europe allow, the Council proposes either to invite a representative of Professor Bogomoletz to visit England or to send a research scientist to Russia to make further investigations. Meanwhile its use is not recommended.

**Increase in Birthrate.**—The war-time upward trend in the birthrate in England and Wales was maintained during the first three months of this year. The Registrar-Ge-



al's return of births, deaths and marriages registered in the quarter ended March records a total of 184,145 live births. This represented a rate of 17.9 per 1,000 of the population, the highest first-quarter rate since 1925. There were 11,874 more births than in the first three months of 1943, when the rate was 16.9. The provisional infant mortality rate, 58 per 1,000 related live births, was fourteen below the average for the ten preceding first quarters, and was the lowest rate on record for this period of the winter. The death rate was 14.2, against 13.5 during the corresponding period a year ago. Fourteen cases of smallpox were notified during the quarter, three of which were fatal. All but one of the cases were associated with an outbreak of smallpox at Mount Vernon Hospital, Middlesex.

**Scotland Prepares for Post-war Packaging.**—Scottish firms in the pharmaceutical, chemical, cosmetic, and food trades are now preparing, so far as possible, their post-war packaging plans. A number of plans revolve around former branded and familiar designs, and the effort is rather to secure adequate and prompt production of their packs than to embark on any large-scale re-designing. The position is far from easy, however, since the complete lack of government guidance leaves little scope for advance planning, and little active work can be done on the planning end until some further indication is forthcoming of the position post-war. At present, boxmakers are engaged on essential work. Criticism has been made of the Essential Works Order, which, in operation, gives them little protection. The continued drain of workers, too, for work which may be perhaps more essential, is another source of difficulty.

**Eire Students' Council.**—A meeting of the Students' Representative Council (of Eire) was held at the headquarters of the Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, recently, at which Mr. J. J. Tierney (president) occupied the chair. Mr. Seamus Fox was appointed *Recording Secretary and Treasurer*. It was reported that at a conference held with the officers of the Pharmaceutical Society the following matters had been discussed: (1) Alternative questions in pharmacy and chemistry papers (marks for each question to be indicated on the paper); (2) use of analytical tables in practical chemistry examination; (3) division of the pharmacy class into two sections for term examinations. The Society's officers, having heard the views of the students' representatives,

promised to bring the various matters raised before the Council. Amongst matters discussed by the Students' Council was a recent rule under which students must have two years of their apprenticeship served before they can book for lectures.

**Medical Research Fellowships.**—Among junior fellowship awards (value £400) made by the trustees of the Beit Memorial Fellowships for medical research, 1944-45, are the following: J. C. Bourns, Ph.D., to study the fate and functions of trace and other elements of the animal body, using radioactive isotopes (St. Bartholomew's Hospital); G. A. Levvy, Ph.D., D.Sc., to study the adaptive enzymes in the animal body, with special reference to the rôle of glucuronidase in the metabolism of steroid hormones and related substances (University of London); H. J. Rogers, Ph.D., to study the biochemistry of hyaluronidase obtained from various sources and the rôle of enzymes such as hyaluronidase and lecithinase and other bacterial antigens in infection (Lister Institute); F. Sanger, B.A., Ph.D., to study the chemical structure of proteins, with special reference to insulin (Sir William Dunn Institute of Biochemistry, Cambridge); E. C. Webb, B.A., to study the ultimate mode of action of drugs and poisons in living tissues (Sir William Dunn Institute of Biochemistry, Cambridge).

**Poisons Control in South Africa.**—More stringent control over certain poisons has been strongly urged by Dr. P. R. v. d. R. Copeman, Senior Government Chemist, Cape Town, addressing the Cape Medico-legal Society recently. The distribution and storage of arsenical preparations for agricultural purposes, he said, were extremely lax. Much might be done to control the possession of powders containing cantharidin. The four poisons most commonly employed in the Union were arsenic, barbiturates, strychnine and morphine. The negligence with which arsenical preparations were handled and stored was criminal, he alleged, and severe penalties should be enforced to prevent such negligence. Dr. Copeman said that in many cases the present knowledge of the composition of South African poisonous plants was so slight that no methods of chemical identification were available. A wide field of investigation lay untilled. Work at Onderstepoort had made a definite contribution to the knowledge of South African poisonous plants, but it was of limited medico-legal significance.

## ADVICE TO BOMBED RETAILERS

THE Board of Trade has issued the following notice to retailers other than sellers of food or drink:—

**Premises.**—If your premises are damaged, essential temporary weather-proofing work may be done without special authority. You may, however, need permission if you wish to do any further repairs, and for this permission you should apply to the appropriate regional licensing officer of the Ministry of Works, for the London Area, 51-54 Gracechurch Street, E.C.3. If your premises are demolished or unusable and you want to restart business in other premises, you will need a licence under the Location of Retail Businesses Order, even if you are merely arranging to share premises with some other trader. You should apply for this licence, in the London Area, to the local Retail Licensing Committee, New Oxford House, Bloomsbury Way, W.C.1, or, in any other area, to the local Price Regulation Committee.

**Stocks of Rationed Goods and Coupon Losses.**—If your stocks of rationed goods are damaged by enemy action, their coupon value will be reduced in the same proportion as their money value. If they are destroyed or completely unsaleable, you can claim their coupon value from the Board of Trade. If they are damaged but saleable you can sell them at a reduced coupon rate and claim from the Board of Trade the difference between the full and the reduced number of coupons.

**Calculating the Reduced Coupon Value of Damaged Goods.**—If you are insured against war risks, first settle with the assessor the value at which you will retain the damaged goods. If you are not, you must estimate for yourself the price at which the damaged goods will sell. You are entitled to reduce the coupon value of each item of your stock in the same proportion as you have reduced its price. If you cannot settle the value of the damaged goods at once, but need some coupons to go on with, you can ask the Board of Trade to give you an advance on account of your claim.

**Notices to Customers.**—If you are selling any war-damaged goods at reduced coupon rates you must display a notice showing that you are doing so. You can get this from the assessor, or, if you are not insured, from the Board of Trade, New Oxford House, Bloomsbury Way, W.C.1.

**Lost Coupons.**—You ought to be able to avoid any substantial loss of actual coupons by paying the coupons you collect into the

bank at frequent intervals, but if you do lose some coupons by enemy action, you can claim replacement from the Board of Trade.

**How to Claim.**—Write to the Board of Trade, North Gate, Prince Albert Road, London, N.W.8, for the appropriate form (B.R. 10 for coupon losses on war-damaged goods, or A.T.L. 182 for lost coupons), fill it in and send it to the Board of Trade at the same address.

**Insurance.**—Information about claiming under the Board of Trade insurance scheme and salvaging your stock is given in the Board of Trade Leaflet, CIS/BS/26A obtainable from your local authority.

## LEGAL REPORTS

**Sentence Increased.**—Following an appeal against a police court sentence of two months' hard labour for obtaining £70 by false pretences (see *C. & D.*, August 5 p. 134), Joachim Bernard Max Gordon Langford Court, London, W., had his sentence increased to six months' hard labour by the London Sessions Appeals Committee on August 22.

**Illegal Sales of Poisons.**—At Bristol on August 17, Joy's (Chemists), Ltd., 3 Birchwood Road, St. Anne's, Bristol, were fined a total of £15, with £2 2s. costs, on charge of illegally selling poisons. The summons concerned sales of medicines containing phenobarbitone, diacetylmorphine, and strychnine. For the Pharmaceutical Society who prosecuted, it was stated that Messrs Joy's had employed as their superintendent under the Pharmacy and Poisons Act, 1933, a Mr. Davies, who was a registered pharmacist, but Mr. Davies left the company in August 1943. Two letters in which the Society asked the company to notify them of Mr. Davies' successor were ignored, and an inspector was sent to visit the company on April 28. He found that the managing director (Mr. Hobson), an unqualified man, was dispensing a number of National Health Insurance prescriptions, and there was no one on the premises in the nature of a qualified superintendent. For the company it was urged that when Mr. Davies left it was found impossible to secure a superintendent. Mr. Hobson himself, before going into business, had served an apprenticeship in the North of England, "which was full qualification at that time." The chairman of the magistrates said that because of the difficult times and the company's good reputation no heavier penalty would be imposed



## TOPICAL REFLECTIONS

### Cost of Living

Our editorial article on the cost of living (223) is a valuable contribution to the discussion of a subject which, though primarily applied to negotiations on National Health Insurance dispensing, has an importance for all your readers. From the file of increases in retail prices printed in THE CHEMIST AND DRUGGIST of July 3, 1920, we learn that, taking July 1914 as the starting point, the percentage increases noted in the month of June during the next five years were: 1915, 25; 1916, 45; 1917, 75-80; 1918, 100; 1919, 105. We may, I suppose, indulge in a limited satisfaction in knowing that since August 1939 the estimated increase in the cost of living is only about 10 per cent. The basis of the Government calculations may be thought too narrow a result valid for all or even most classes of the community; and it is to be hoped that one or more of the independent bodies undertaking studies of this kind will publish out-of-living statistics of wider scope. A remark made in 1920 by the President of the Board of Trade of that day concerning official control in its application to this subject is, I venture to suggest, worth bringing in mind in our present circumstances: "As the main elements in the cure of the present undesirable position must be increased production and increased export, I am convinced that the most likely thing to delay recovery would be for one nation to do so, and particularly this nation, to establish intricate, costly, and inevitably interfering Government control, and am altogether opposed to the idea of the Government undertaking to regulate in retail profits and prices at each stage of manufacture."

### The World's Raw Materials

Mr. H. Price's well-informed article on the mineral resources of the U.S.S.R. (226) raises, by inference, the question of the total world stocks of these and other raw materials, and of the rate at which they are being used up. The question is not one of offhand and summary pronouncements. It was in 1887, if I have not forgotten, that the late Sir William Crookes uttered a famous warning about world supplies of wheat in relation to probable demands: "It was a case of a brilliant man of science leaving his proper sphere with an unfortunate result. For an estimate of mineral deposits we turn in the first place to geologists. Something has been done by

qualified workers on this aspect of the matter, but further surveys are required. What concerns us all is the use that is being made of minerals and of such commodities as timber. We are sometimes told that the younger nations are given to extravagance in this respect. Obviously we cannot create deposits of metallic ores, though we can increase stocks of vegetable products. The scientists of the world should regard this as an international problem.

### Literary Quotations

An appreciation of the late Mr. Philip Hill in "The Times," under the initials "A.J.E.," ended as follows: "... although the phrase 'we shall not see the like of him again' is so common and widely misquoted, very few men are pitched in the mould of Philip Hill." Possibly some of your readers can tell us where this "widely misquoted" phrase is to be found. The *textus receptus* of a familiar line in Act I Scene ii of "Hamlet" is "I shall not look upon his like again"; and I have never seen any variant of it employing the plural form. Milton, Cowper and Scott have each used the same basic idea, but not in the words cited by "A.J.E." Difficult as the verification of references may occasionally be for a writer, the position of a public speaker, faced with the choice between omitting a telling impromptu and making an ignominious lapse, is even more awkward. That position is exemplified in a droll story in Sir Edward Parry's book "What the Judge Thought." Several years ago a learned counsel, while defending a herbalist in court, wished to make use of the passage in "Romeo and Juliet" beginning "I do remember an apothecary"; his memory failing him at the critical moment, the jury was treated to this gem of oratory: "Gentlemen, my unfortunate client was very much in the position of the apothecary in that beautiful play 'Romeo and Juliet.' Shakespeare, you will remember, gentlemen—Shakespeare, I repeat, a name of which every Englishman must be proud—The Bard, as he is universally called, in that play, or shall we call it a poem, in words that might have been used to portray my client's situation—Shakespeare! Hm! The Bard! Hm! The Swan of Avon—I forget, gentlemen, the actual words he used, but the purport of the passage is that there was a chemist and druggist living round the corner."

**Xrayser**

## TRADE NOTES

**Please Return Delivery Trays.**—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, point out that unless the trays used for the motor delivery of jars of malt and cod-liver oil are speedily returned delivery of further supplies becomes seriously affected.

**New Standard Parcels.**—Bob Martin, Ltd., Southport, Lancs, state that standard cases of Stock Sense poultry conditioner now consist of drums of one size only. Details of the standard parcels are given in an announcement elsewhere in this issue.

**Stocks Held by Distributors.**—Allied Laboratories, Ltd., London, state that full stocks of their specialities Antoin, Asmotil, Examone and Flocusil are held by the distributing agents, Wilcox, Jozeau & Co., Ltd., 74 White Lion Street, London, N.1.

**Packed Pharmaceuticals.**—Inquiries are invited from chemists for surgical dressings, chemists' sundries, and packed pharmaceuticals, for delivery by return, from Stanning Proprietaries, 27 Oxford Street, Harrogate; special attention is given to orders by post.

**Organic Chemicals.**—L. Light & Co., Ltd., Old Bowry Laboratories, Wraysbury, Bucks, are issuing an enlarged price list of organic research chemicals, to include certain items not hitherto obtainable, as well as a series of amino-acids suitable for biochemical and nutritional research, and a number of synthetic drugs. Owing to paper restrictions copies can be supplied only on written application.

**Deliveries Delayed.**—Glaxo Laboratories, Ltd., state that for some time ahead there may be delay in dispatching certain preparations. In general, reserve stocks will permit the maintenance of deliveries, although the range of packs may be temporarily restricted. Pharmacists' co-operation is sought in refraining from writing about overdue direct parcels and in not re-ordering until any parcel in hand has been received.

**Wax Sales Agency.**—Messrs. A. Pickering & Co., Ltd., 41 Crutched Friars, London, E.C.3, have been appointed sole selling agents for United Kingdom and Europe for Mexican candelilla wax and for the Franklin brand of ouricuri wax made in Bahia. A new process of extraction of the latter wax has been adopted, and the No. 1 grade is guaranteed not to contain more than, in all, 4 per cent. mineral and organic impurities and moisture.

**Week-end Courses in Optics.**—Provide sufficient enrolments are forthcoming, week-end courses, including one in ophthalmic optics, will be conducted at the Northampton Polytechnic, St. John Street, London, E.C.1. The session begins on Sunday, September 24, with enrolments on September 16 and 23, from 10 a.m. to 5 p.m. Classes will be held on Saturdays, 2.4.30 p.m., and on Sundays, 10 a.m. to 4.30 p.m. Full-time day courses will be conducted in applied optics.

**Synthetic Œstrogen.**—The medical department of Boots Pure Drug Co., Ltd., Nottingham, has issued a four-page leaflet dealing with dieneestrol, a new synthetic Œstrogen manufactured in the laboratories of the company. The department refers to published clinical work to show that dieneestrol is more effective than other synthetic Œstrogens in the control of menopausal symptoms and to inhibit lactation, with smaller incidence of side-effects. The product is supplied in tablets containing 0.1 mgm. and 0.3 mgm., for oral administration, in bottles of 25 and 100 tablets, as well as in bottles of 1,000 tablets for dispensing purposes. Descriptive literature is available on application.

### Business Change

LENNON, LTD., have removed their offices to 77-79 King William Street, London, E.C.4 (telephone: Mansion House 1466-68), and their packing department (where goods ordered for delivery should be sent) to 1 Buxton House, 12 Trinidad Lane, London, E.C.4.

### Proprietary Articles Trade Association

**Additions to Protected List.**—Glaxo Laboratories, Ltd., Dieneestrol tablets, 0.1-mgm., 2s. 12s. doz., tax 2s. doz., inclusive retail price 8d.; 100's, 22s. doz., tax 3s. 8d. doz. i.r.p. 3s. 1d.; 1,000's, 168s. doz., tax 28s. doz. i.r.p. 23s. 4d.; 0.3-mgm., 25's, 16s. doz., 2s. 8d. doz., i.r.p. 2s. 3d.; 100's, 28s. doz., tax 4s. 8d. doz., i.r.p. 3s. 11d.; 1,000's, 216s. doz., tax 36s. doz., i.r.p. 30s.

Rybar Laboratories, Ltd., Rybaferrin, 8 fl. oz. 18s. doz., tax 3s. doz., i.r.p. 2s. 6d. One doz. invoiced as 11/12th doz. Bonus also applies to Elixir Iodo-creosot. Co., and on minimum order of three doz. Rybaferrin.

S. Sigal & Co., Ltd., Galjado hair-colour restorer, No. 1103, 18s. doz., tax 18s. doz. i.r.p. 4s.; grey-hair pomade, No. 3201, 1s. doz., tax 15s. doz., i.r.p. 3s. 2d.; scurf and dandruff lotion, No. 1001, 12s. doz., tax 2s. doz. i.r.p. 1s. 8d.; No. 1002, 18s. doz., tax 3s. doz. i.r.p. 2s. 9d.



## COMPANY NEWS

**CULMEN, LTD. (P.C.).**—Registered in Edinburgh. Capital £100. Drysalts, etc. L. Fyfe and J. W. Marshall, directors. O.: 20 Bath Street, Glasgow.

**HOGG & ROSS, LTD. (P.C.).**—Registered Edinburgh. Capital £3,000. Suppliers of irropody goods, medical textbooks, x-ray paratus, etc. John M. Hogg, 23 Union reet, Dundee, director.

**CARSBERG MEDICAL SUPPLIES, LTD. (C.).**—Capital £1,000. Scientific, surgical d lital instrument makers. Ernest W. d Lillian M. Philpott, directors. R.O.: Fretherne Road, Welwyn Garden City.

**NEWHILLS, LTD. (P.C.).**—Capital £1,000. anufacturers, exporters and merchants drugs, proprietary articles, etc. Samuel ll, M.P.S., and Samuel Hill, draper, rectors. R.O.: 86 Merry Street, Mother- ll.

**S. T. PUGH (CHEMISTS), LTD. (P.C.).**— apital £5,000. To acquire the business of chemist and druggist carried on at 182 carage Road, Langley, Worcs. R. A. mes, J. E. Strong, and Sidney T. Pugh, .P.S., directors.

**EDWIN RAINE, LTD. (P.C.).**—Capital 50. To acquire the business of a phar- acetical chemist carried on by Edwin aine at 357 Bolton Road, Darwen, Lancs. ice M. Raine and Margaret Worsley, .P.S., directors.

**BALSHAW HARRISON, LTD. (P.C.).**—Cap- al £1,000. Manufacturers of and dealers in emicals, oils, toilet requisites, proprietary ticles, etc. Thomas Balshaw and dgar P. Harrison, directors. R.O.: 23 andolph Mews, London, W.9.

**HOSKIN'S PHARMACY, LTD. (P.C.).**— apital £200. Wholesale or retail chemists, emists' sundriesmen, etc. Richard James oskins, Mrs. Ellen Hoskins, both of earse Street, Clonakilty, co. Cork, and ary O'Loughlin, M.P.S.I., directors.

**ACORN CORK Co., LTD. (P.C.).**—Capital 500. Cork manufacturers, growers and mer- chants, manufacturers of and dealers in ork goods, etc. Nathan E. Snow and Miss dith G. Taylor, directors. R.O.: 12 orton Drive, Chadwell Heath, Essex.

**GRAPPENHALL CHEMICALS, LTD. (P.C.).**— apital £5,000. Manufacturers of and ealers in chemicals, fertilisers, toilet requi- tes, proprietary articles, chemists' sun- ries, etc. Harry Goostrey and Leonard

Steger, directors. R.O.: 82 Sankey Street, Warrington, Lancs.

**PHILIP HILL GROUP.**—Mr. Louis Nicholas has been appointed chairman of Timothy Whites & Taylors, Ltd., Taylors Drug Co., Ltd., Taylors (Cash Chemists) Trust, Ltd., Taylors (Cash Chemists) Midland, Ltd., and Taylors (Cash Chemists) London, Ltd. Mr. A. J. Epsley will continue as vice- chairman of Timothy Whites & Taylors, Ltd., and has been appointed vice-chairman of the above subsidiary companies. Mr. J. Stanley Holmes, M.P., has been ap- pointed chairman of Beechams Pills, Ltd.

**EVANS SONS LESCHER & WEBB, LTD.**— Directors' report for the year ended Decem- ber 31, 1943, records trading profit of £99,579, a substantial increase over the previous year (£54,853). The amount transferred to the balance sheet is £18,061, to which is added balance brought forward from 1942, leaving an available balance of £30,784, which the directors propose to apply as follows: Transfer to contingency reserve, £7,500; payment of 6 per cent. dividend on preference shares (less tax) for year ended December 31, 1943 (£7,254); payment of 5 per cent. on ordinary shares for same period (£3,092), leaving a balance to be carried forward of £12,938. Mr. O. N. T. Davenport offers himself for re-election as a director.

**APPLICATION FOR BANKRUPTCY DIS- CHARGE.**—Albert Noel Pollard, M.P.S., 382 Abbey Hey Lane, Gorton, Manchester. Hearing at Court House, Quay Street, Manchester, at 10 a.m. on October 16.

**BANKRUPTCY.**—R. L. G. Burnett, M.P.S., formerly of 14 Llanthewey Road, Newport, and in business at 146 Penarth Road, Cardiff, receiving order and adjudication. Public examination at the Law Courts, Cathays Park, Cardiff, at 10.30 a.m. on October 13.

**VOLUNTARY LIQUIDATIONS.**—Meetings of shareholders and creditors of Mayfair Chemists, Ltd., will be held at 14 Holborn Viaduct, London, E.C.1, at 11.45 and 12 noon on September 22 to show how the winding-up of the company has been conducted. — Meetings of members and creditors of Winters Chemists, Ltd., will be held at 69 Cannon Street, London, E.C.4, at 11 and 11.30 a.m. on October 16 to show how the winding-up of the com- pany has been conducted.

## MARRIAGES

**BRENNAN — CULLEN.**—At Collegehill Oratory, recently, Frank Brennan, Ph.C., Glasnevin, Dublin, to Bernadette Cullen, Rathkenny, Slane, co. Meath.

**BROWN — WATT.**—At St. Cuthbert's Parish Church, Edinburgh, on August 23, William Sinclair Brown, M.P.S., 9 Carnwath Road, Carstairs Junction, Lanarks, to Margaret Watt, M.B., Ch.B.

**Golden Wedding.**—**HOGG — BROWN.**—At Glasgow, on August 24, 1894, Richard Hogg, M.P.S., to Matilda Brown. Present address, 11 Gower Terrace, Dumbreck, Glasgow, S.I.

## DEATHS

**BARKER.**—On August 1, Mr. John Brydon Barker, M.P.S., 169 York Road, West Hartlepool, aged seventy-one.

**BEVAN.**—On August 6, Mr. Edward Bevan, M.P.S., 6 Beechwood Avenue, Swansea, aged ninety-two.

**BLAMEY.**—At Havant Memorial Hospital, recently, Mr. John Blamey, M.P.S., Mengham Road, Hayling Island, aged seventy-seven.

**CARR.**—At the home of his sister, Mrs. F. W. Allen, 30 Norfolk Street, Peterborough, on August 23, after a brief illness, Mr. Edward Lancelot Carr, M.P.S., aged seventy-three. Mr. Carr qualified in 1893, and was a manager for Boots, Ltd., at Lowestoft for the greater part of his career. In the war of 1914-18 he served in the Royal Army Medical Corps as a Staff-Sergeant, and was invalided out of the Army towards the end of 1916. He retired in 1931 and went to live in Jersey, escaping from there shortly before the occupation of the islands by the Germans. Mr. Carr was a member of the Stradbroke Lodge of Freemasons, Lowestoft, and of a lodge in Jersey. He leaves a widow and two sons.

**CLAYTON.**—On July 24, Mr. James Clayton, M.P.S., 16 Mount Road, Middleton, Lancs. Mr. Clayton qualified in 1902.

**FLYNN.**—At a Dublin nursing-home, on August 17, Mr. Patrick S. Flynn, M.P.S.I. Mr. Flynn, who qualified in February 1917, was a native of co. Down. He was in business for many years at 177 Parnell Street, Dublin. The interment took place at Mayobridge, Newry, co. Down.

**GOODFELLOW.**—Recently, from injuries received while on active service in the Royal Air Force, Flight-Sergeant Thomas Tapner Anderson Goodfellow, M.P.S., 50

Falkland Road, Sunderland, aged twenty-eight.

**GRIMWADE.**—On August 5, Mr. Alfred Ernest Grimwade, M.P.S., 68 North Hill Colchester, aged sixty-four.

**HAINES.**—On August 1, Mr. James Hunt Haines, M.P.S., Southfield, Mulroy Road, Sutton Coldfield, aged sixty-five.

**MAIR.**—On August 18, Mr. Alfred Alexander Mair, M.P.S., 1 Highbury Grange Islington, London, N., aged forty-six.

**POYNOR.**—On active service in Norway, Lieutenant H. E. Poynor, (Polak & Schwarz (England), Ltd., Enfield). The many friends of Mr. Poynor will learn with regret of his death at the front. He joined up in the very early days of the war, and it was during an unselfish act of bravery in removing the wounded that he was fatally wounded. Mr. Poynor, who was thirty years of age, had been with Messrs. Polak & Schwarz for twelve years, and, as those who knew him will remember, he had wide and practical technical knowledge. The untimely end of such an enthusiastic and promising young man as Mr. Poynor is deeply regretted by his colleagues, and will be deplored by his many friends in the trade.

**RICHARDSON.**—On July 27, Mr. Robert William Richardson, M.P.S., 47 Lansdowne Grimsby.

**RIDGWAY.**—At a military hospital, on July 30, Lieutenant Donald Mackilloch Ridgway, M.P.S., Cheshire Regiment, aged twenty-four.

## WILLS

**MR. HERBERT LEFEVRE CLAISSE,** Ship-lake-on-Thames, deputy-chairman of Gillette Industries, Ltd., left £47,108, with net personalty £37,476.

**MR. ARTHUR SAMUEL NEWMAN,** F.R.P.S. Hornsey, camera designer, a director of Newman & Guardia, Ltd., camera manufacturers, left £1,057, with net personalty £483.

**MISS HOPE CONSTANCE MONICA WINCE,** Ph.C., 11 Beechwood Street, Sunderland, founder and head of the pharmacy department of Sunderland Technical College, left £2,415, with net personalty £2,335.

**ALDERMAN JAMES CASSIE KIDD,** 55 Cheetham Hill Road, Manchester, a past president of the Manchester Pharmaceutical Association, and one of the founders of the Institute of Ophthalmic Opticians, left £7,925, with net personalty £5,669.



## PERSONALITIES

DR. THOMAS LEWIS has been appointed vice-president of S. B. Penick & Co., New York. Before joining the Penick concern in 1930 as technical director, he was head of the School of Pharmacy in Cardiff, Wales. Dr. Lewis has been active in the development of the company's manufacturing and research departments in the bulk production of alkaloids, glycosides, natural and synthetic hormones, medicinal extracts, resins, oleoresins,

MR. JAMES E. PASCOE, winner of the Jacobson Memorial Scholarship for 1944, started his apprenticeship in February 1940 with Boots, Ltd., at Penzance. His apprentice-master was Mr. L. H. Keen, M.P.S. In May 1943 he was awarded Boots' Class II scholarship, valued at £42. He was trained at Plymouth and Devonport Technical College, and took the Inter-

mediate examination in June 1944. He was awarded a Boots' Class III scholarship. Mr. Pascoe attributed his successes to the excellent training he received at Plymouth and to the apprentice training course of the company.

MR. L. W. PARSONS, winner of the Devon and Cornwall exhibition, and in addition awarded a Boots studentship, started his apprenticeship with Messrs. Boots at Ilfracombe, in February 1940, with Mr. M. T. Warrington as his apprentice-master. He was successful in winning a Boots scholarship in 1943 and commenced a course for the Inter-

mediate examination at Plymouth Technical College in September of that year. Mr. Parsons intends to resume his studies for the Chemist and Druggist Qualifying examination at Plymouth in September 1944.

MISS JOYCE MOON, winner of a Leverhulme Scholarship for 1944, matriculated

at Gateshead Secondary School in 1937, and took the Higher School certificate in 1939. She then trained for nine months for the Apothecaries' Hall examination taking chemistry, pharmacy and pharmacognosy under Miss Jobling, M.P.S. at, Gateshead dispensary. After passing that examination,

Miss Moon took up a position with Mawson & Proctor, Ltd., 55 Grainger Street, Gateshead. Mr. McGuckin, M.P.S., managing director, by whom she was given every assistance in the dispensary, was her apprentice-master. After serving three years with the company, prior to taking Part I examination, she was allowed two days each week to attend Rutherford Technical College. Miss Moon left Messrs. Mawson & Proctor in May 1944 to do intensive home study, and she hopes to proceed to Sunderland Technical College in October for her final year. She attributes her success to the assistance and encouragement she received from Mr. McGuckin and Miss Jobling.



## COMING EVENTS

Sunday, September 3

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble, Miller's Dale to Buxton. Meet at Central station, 8.30 a.m. Book Buxton return. Inquiries to W. Edwards, Old Trafford.

Wednesday, September 6

BATH BRANCH, NATIONAL PHARMACEUTICAL UNION, Kingston Buildings, Bath, at 7.30 p.m. Business meeting.

SCOTTISH SUBSECTION, MANAGING CHEMISTS' SECTION, NATIONAL CO-OPERATIVE MANAGERS' ASSOCIATION, LTD., Central Hall, Bath Street, Glasgow, at 7 p.m. Meeting.

Thursday, September 7

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS AND BRANCH OF THE PHARMACEUTICAL SOCIETY. Visit to works of May & Baker, Ltd. Meet Dagenham station (L.M.S. and Underground), 2.45 p.m. Names (by postcard) to secretary (S. Robinson, 21 Broadhurst Avenue, Ilford) by September 6.





# A PLAN FOR TERRITORIAL REPRESENTATION

by Harry Ridehalgh, M.P.S.

THE advantages and disadvantages of territorial representation have been discussed at great length on many previous occasions, and I do not propose to go into them now. It is sufficient to say that I am among those who consider the present electoral system to be unsatisfactory, and think that territorial representation provides a much more effective method, and would produce a more representative Council.

To me, the simplest solution appears to

be to allot one seat in Council to so many members. Using the 1941 Branch Calendar the total number of registered pharmacists was 24,822; dividing by 21, we have 1182 which is the average number of members per seat in Council.

If neighbouring branches whose total members come to somewhere near 1182 are then grouped together, the results are as under. The map shows the geographical location.

<i>South-west Region</i>		<i>Southern Region</i>		<i>South-east Region</i>	
Cornwall .. ..	146	Bournemouth ..	360	Guildford .. ..	15
Torquay .. ..	108	Southampton ..	201	Reigate .. ..	11
Plymouth .. ..	150	Portsmouth ..	215	Eastbourne ..	6
Exeter .. ..	216	West Sussex ..	168	Hastings .. ..	9
Somerset .. ..	179	Brighton .. ..	310	West Kent .. ..	18
		Isle of Wight ..	76	Tunbridge Wells ..	8
		Jersey .. ..	22	Folkestone .. ..	6
<i>One seat.</i>	<u>799</u>			Medway .. ..	14
		<i>One seat.</i>	<u>1352</u>	Thanet .. ..	6
				East Kent .. ..	9
<i>London Region</i>		<i>East Anglia Region</i>		<i>Oxford Region</i>	
London .. ..	3257	King's Lynn ..	56	Oxford .. ..	1
Croydon .. ..	336	Norwich .. ..	132	Cheltenham ..	..
Wimbledon ..	151	Lowestoft ..	61	Gloucester ..	..
Thames Valley ..	402	Ipswich .. ..	100	Worcester ..	10
West Middlesex ..	306	Colchester ..	134	Northampton ..	1
Harrow .. ..	393	Southend .. ..	162	Bath .. ..	1
Wembley .. ..	127	Peterborough ..	83	Bristol .. ..	3
Enfield .. ..	81	Cambridge ..	132		
Watford .. ..	139	Bedford .. ..	143		
Dartford .. ..	159	South Lincs..	60		
Reading .. ..	263				
<i>Five seats.</i>	<u>5614</u>	<i>One seat.</i>	<u>1063</u>	<i>One seat.</i>	<u>10</u>
<i>Lancashire Region</i>		<i>Birmingham Region</i>		<i>Welsh Region</i>	
Liverpool .. ..	583	Birmingham ..	736	Anglesey .. ..	1
Manchester ..	772	Coventry .. ..	308	Rhyl .. ..	..
Wigan .. ..	73	Walsall .. ..	76	Wrexham .. ..	..
Warrington ..	103	Wolverhampton ..	133	S. Carnarvon ..	..
Ashton-under-Lyne..	76			Brecon .. ..	..
Oldham .. ..	89	<i>One seat.</i>	<u>1253</u>	Cardigan .. ..	1
Bolton .. ..	168			W. Glamorgan ..	1
Southport .. ..	116			Bridgend .. ..	..
Rochdale .. ..	57			Pontypridd ..	..
Bury .. ..	60			Cardiff .. ..	2
Burnley .. ..	105			Monmouth .. ..	1
N.E. Lancs ..	139			Rhymney .. ..	..
Preston .. ..	109			Aberdare .. ..	..
Blackpool .. ..	204			Shropshire .. ..	1
Lancaster .. ..	78				
Stockport .. ..	204				
Birkenhead ..	175				
Wallasey .. ..	83				
Chester .. ..	112				
<i>Three seats.</i>	<u>3386</u>	<i>Two seats.</i>	<u>2931</u>	<i>One seat.</i>	<u>12</u>

*Yorkshire Region*

Leeds .. .. .	534
Sheffield .. .. .	361
Huddersfield .. .. .	100
Halifax .. .. .	96
Bradford .. .. .	266
Doncaster .. .. .	111
York .. .. .	87
Scarrogate .. .. .	92
Thornhill .. .. .	193
Warborough .. .. .	107

Two seats.

1947

*Nottingham Region*

Luton .. .. .	19
Westminsterfield .. .. .	51
Leamington .. .. .	64
Nottingham .. .. .	357
Leicester .. .. .	193
Staffs .. .. .	197
Loughborough .. .. .	54
Lincoln .. .. .	106
E. Lindsey .. .. .	104
Leicester .. .. .	273

One seat.

1418

*Northern Region*

Cumberland .. .. .	65
Cumbria .. .. .	74
Westmorland .. .. .	35
Derby .. .. .	47
Newcastle .. .. .	436
Yorkshire .. .. .	162
Leamington .. .. .	115
Leamside .. .. .	230

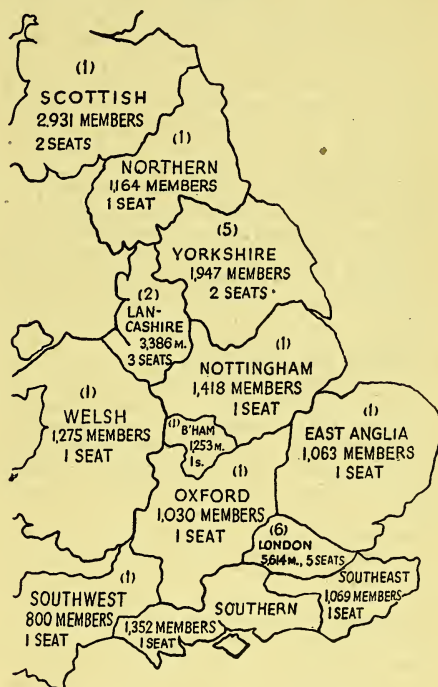
One seat.

1164

Scottish members seem badly treated. They have sufficient members to rate two and a half seats in Council, but they have the North British Executive as a means of expression, so they should not complain with two seats. Yorkshire does not quite rate two seats, but already has five, and is awarded two seats. All the others make a nice average except the South-west region, which only has 799 members. If Bath and Bristol are added, it makes the total about right, but that transfer cuts the Oxford Region's total to a very low figure. Lancashire's six members would vote with London.

It is understood that the Council has no intention of doing anything about territorial representation until the position of pharmacy in a National Health Service has been decided, but I put forward this

suggested plan for consideration when the time arrives. It is probably far from perfect but may serve the useful purpose of a basis for discussion by the branches, to criticise and amend the regions where necessary. Being based, as it is, on an average number of members per seat in Council, it is perfectly fair and unbiased.



When I had completed the work on the plan and assembled the various regions, I checked up on the present Council. The result was quite remarkable. The numbers in brackets on the map represent present Council members, and it will be seen that apart from the Southern and South-eastern regions, every region is represented with a few variations. Scotland has one member instead of two, Lancashire has two instead of three, London has six instead of five, and Yorkshire has five instead of two.

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## SOME TROPICAL DISEASES AND THEIR TREATMENT

by C. B. Holliday, M.P.S.

(Continued from THE CHEMIST AND DRUGGIST, August 19, p. 194)

### Diseases due to Protozoa

TRYPANOSOMIASIS (sleeping sickness) exists in two forms, both of which are due to species of the protozoon, *Trypanosoma*, which is transmitted to man by the bites of the tsetse flies, in whose stomach the trypanosomes multiply by fission. The variety occurring in Central and West Africa is due to *Trypanosoma gambiense*, transmitted by *Glossina palpalis* and *G. tachinoides*; and the more virulent form of the disease, found in Nyasaland and Rhodesia, to *T. rhodesiense*, the insect vectors being *G. morsitans* and *G. swynnertoni*. The flies are often attracted to rapidly-moving objects, such as motor cars, and may be carried for many miles in this way.

#### Symptoms and Treatment

The symptoms which give rise to the name of the disease occur in the last stages of the infection when the trypanosomes reach the brain. Sleeping sickness is mainly a native disease, but one which is always likely to affect white men living in areas where it is endemic.

Arsenic has been used for many years, originally as sodium aminarsonate, by injection, often in conjunction with antimony and potassium tartrate. Unfortunately, this arsenical often leads to nerve degeneration and blindness, and has largely been replaced by other organic arsenic compounds, such as tryparsamide (tryparsone). This is a highly effective compound, given intravenously against *T. gambiense*, but not effective against *T. rhodesiense*. With this drug also, toxicity exists, and its use requires care. Arsenic acts directly upon the parasite, setting up a poisonous concentration within it, but "arsenic fast" strains of trypanosoma may develop on continued use, thus diminishing its effect.

Tryparsamide is also used in conjunction with suramin. This compound, a complex organic urea, is given in the early stages of sleeping sickness, usually intravenously. As toxic reactions often develop, it is usual to test the patient's tolerance before commencing the treatment. Suramin prevents the multiplication of the parasites by interfering with their carbohydrate metabolism.

Mention should also be made of the use of antimony in trypanosomiasis, antimony and potassium (or sodium) tartrate being

given by injection. Its action is similar to that of arsenic, but not so intensive; it is excreted more rapidly. A recent development in the treatment of this disease has been the introduction, through the work of Yorke, of the aromatic diamidines, in particular pentamidine, although both propamidine and stilbamidine are also effective. It originated through the erroneous belief that neutralisation of glucose metabolism would result in the control of parasite development. Decamethylene guanidine, used in diabetes, was tried and found to be trypanocidal, not in the way expected, but by virtue of its structure. Investigation of allied compounds eventually resulted in the group of aromatic amidines, of which pentamidine has been most successful in the treatment of trypanosomiasis. Their action against *T. gambiense* is intense, but limited by their toxicity. They do not penetrate to the central nervous system and have no effect, therefore, when the infection reaches the brain. Their use is unlikely to supersede that of tryparsamide and suramin at present, but their potentialities are great.

#### Causal Organism of Amœbiasis

Amœbic dysentery is due to infection of the lower bowel by *Entamœba histolytica* which exists in two forms: the vegetative or active form recognised by the typical pseudopodia; and the resting or cystic form, which is less amenable to treatment. Although amœbiasis is widespread in tropical and sub-tropical countries, it has also occurred in this country, and it is believed that the cysts are carried by many people as a latent pathogen, together with non-pathogenic entamœbæ, e.g. *E. coli*. A view which is gaining ground is that *E. histolytica* is a normal and harmless inhabitant of the gut, and that it requires injury to the intestinal wall before the organism can become pathogenic. This may occur as a result of bacillary dysentery, which often affects newcomers to endemic areas. Amœbic dysentery follows after some residence in the area. Amœbiasis has always been a disease of war and, together with bacillary dysentery, is responsible for many deaths in the field. Careful sanitation and strict attention to hygiene are essential in order to keep the disease under a substantial degree of control.



ipeacuanha and its alkaloids are most effective against the active form of entamoeba, which is easily controlled. Unfortunately, the cystic form is much more resistant and relapses take place readily when the cysts develop. It is usual, therefore, to continue the treatment after the eradication of the initial stage, either with emetine or some other effective substance, such as pentavalent arsenic (e.g. acetarsol or barsone) or with chiniofon, alone, or in conjunction with ipecacuanha alkaloids. Subcutaneous or intramuscular injections of emetine hydrochloride, with emetine peroxide or emetine bismuth iodide orally, are given. Unfortunately, prolonged treatment weakens the heart muscles owing to its cumulative toxic action. A valuable combined treatment in severe cases, which has produced a high percentage of cures, consists in giving injections of emetine hydrochloride, followed by emetine bismuth iodide in keratin-coated pills for about two fortnights, together with chiniofon as a cathartic. The treatment is concluded by the oral administration of carbarsone or acetarsol for a further fortnight.

#### Forms of Leishmaniasis

This is a group of tropical and sub-tropical diseases due to members of the protozoan species *Leishmania*, and includes kala-azar, oriental sore, and a disease found in S. America, espundia, which will not be dealt with in these notes. Kala-azar is found in Assam, India, China, and in the Mediterranean area. It also occurs in the Sudan, Abyssinia, and parts of E. Africa, where the disease is of a resistant nature, not responding to the usual treatment with antimony. It is due to *Leishmania donovani*, which, although a flagellate, is found in man as the resting form, a spherical non-flagellated organism. The disease is transmitted to man by the bite of a species of sand fly, *Phlebotomus*, in which the flagellate stage occurs. The vector in the Mediterranean sector is *P. perniciosus*. The parasite inhabits the liver and the spleen, which become very much enlarged. Kala-azar produces a fever in which the interval between relapses becomes shorter until it is continuous, eventually causing wasting and emaciation, with anaemia and swelling of the liver and spleen, and, finally, death if untreated.

#### Treatment of Kala-azar

The most effective drug for this disease is antimony given intravenously in the pentavalent form as antimony and potassium tartrate or antimony and sodium

tartrate. Other compounds which have proved valuable are Neostibosan, Neostam, and urea-stibamine, all derivatives of phenyl stibonic acid. The action of antimony in kala-azar, it has been suggested, is to increase the production of white blood corpuscles, but it is more likely that it has a direct action upon the parasite itself. Recently it has been found that aromatic diamidines are useful in kala-azar, particularly stibamidine, although toxic reactions may occur. In the variety of the disease found in the Sudan which does not respond to antimony, this compound has been tried with marked success.

#### Oriental Sore, or Cutaneous Leishmaniasis

Cutaneous leishmaniasis is not confined to the orient, and some idea of its distribution is seen in the variety of names it has acquired, e.g. Aleppo sore, Biskra boil, Delhi boil, Bagdad button, etc. It is an affection of the skin, and should be distinguished from tropical ulcer and certain other skin diseases found in similar areas.

It is caused by *Leishmania tropica*, transmitted by species of *Phlebotomus*, probably *P. papatasi*, and possibly other vectors, such as the ordinary house flies. The presence of *Leishmania* serves to confirm the diagnosis. The incubation period varies from a few days to several months, and the disease is characterised by the appearance of inflamed nodules, which enlarge and break down to form a kind of ulcer. Healing is difficult, but the disease is not fatal.

Antimony is the most valuable drug, antimony and potassium (or sodium) tartrate being injected into the area around the sore. The disease has also been treated with stibophen without a great deal of success, although this drug has been quite successful in treating the South American espundia. Injection of a vaccine made from cultures of *L. tropica* has been used with success in parts of India and Russia, and x-rays are said to produce good results. Other substances which have been used from time to time are emetine hydrochloride, berberine sulphate, and mepacrine methanesulphonate by injection. Antiseptic ointments and applications help.

**Steady with the D.D.T.!**—Go easy with this D.D.T., there's good chaps. I yield to no man in my loathing for lice, but if people start spraying the stuff about everywhere what is going to happen to the cross-pollination of my pears and plum-trees?—"Peripatetic Correspondent" in the "Lancet."

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*Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire*

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*The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## Regional Representation

So far as our space permits we are always pleased to publish ideas which should stimulate interest and discussion in the ranks of pharmacy. On p. 244 of this issue will be found an article, "A Plan for Territorial Representation," in which the author puts in a simple and concrete form a basis for the adoption of regional representation on the Council of the Pharmaceutical Society of Great Britain. The subject is by no means new, but it is being discussed again up and down the country. This revival of interest in the subject is chiefly due to the unenviable position in which a substantial proportion of members of the Society found themselves when completing their ballot papers at this year's elections. They were required to support not more than seven out of some forty candidates who had accepted nomination. Most of the candidates were newcomers and were completely unknown to the majority of the electorate, who, generally, seem to have solved the riddle by voting for their "local" man and distributing the remainder of their votes amongst the retiring members of the Council seeking re-election. The

result, not necessarily a bad one, was a foregone conclusion—all the retiring Councilors were re-elected.

Those who favour the idea of setting up pharmacy constituencies would bring forward sound arguments in support of the proposal. They would claim that territorial representation follows the national parliamentary electoral system; that local contests would tend to create a much keener interest in pharmaceutical politics throughout the country; that it would result in the election of a Council representative of, and in touch with, all parts of the country; that the problem of choice would be much simplified as voters would, except perhaps in the London area, have only one or two votes and usually there would be not more than two or three candidates in each constituency. Further, the candidates would almost certainly be "local" men known to the electorate of the constituencies. Their election costs would be much less, as they would only need to canvass their own area; they would cover their territory by meetings, thus giving voters an opportunity of meeting them personally.

Those who do not favour such a radical departure from the present system could no doubt bring forward equally good reasons why territorial representation would give neither the best result nor be equitable. One of the chief dangers, as we foresee the matter, is that, in territorial representation, in the course of time there may be a tendency for nominations of candidates to become cut-and-dried affairs with no contests unless independent candidates were put up, but no scheme is ever perfect. Our correspondence columns are open to brief statements of opinion, for and against the author's plan for dividing up the country into pharmacy constituencies with seats on the Council of the Society based on membership strength.

## Health Work of UNRRA in Europe

THE structure of the Health Organisation of UNRRA was laid down in the Resolutions and Reports adopted by the UNRRA Council at Atlantic City. So far as Europe is concerned, it consists of a Health Division



in London, for planning and executive work, and an advisory Subcommittee on Health through which the medical representatives of the Allied Governments can make their views known.

### Personnel

After an inevitable pause, for the appropriation of funds and the recruitment of key personnel, the medical planning has gone on at an ever-increasing tempo. Dr. Andrew Topping has assumed office as Director of Health Division of the European Regional Office in London. Dr. Wilbur A. Sawyer, Director of Health at UNRRA's headquarters in Washington, has arrived here to be nearer the centre of operations. In London, four medical officers have been appointed (two British, one French, and one Dutch) additional to two Deputy Directors, Dr. N. M. Goodman (British) and Dr. D. A. Reekie (U.S.A.). Further appointments for liaison with individual Allied health authorities and with the Military are contemplated, as well as advisers in specialist fields, such as nutrition and tuberculosis. A representative committee for the appointment of senior nurses has also been set up. Clearly the difficulties in the way of obtaining medical officers of suitable experience and qualifications are very great at present—especially from this country—but every effort is being made to earmark suitable doctors and nurses for work in the field and to facilitate their release when the time comes.

### The Subcommittee on Health

The first activity of the Standing Technical Subcommittee on Health for Europe was the appointment of expert commissions on quarantine and on the health problems of displaced persons. The revised conventions worked out by the first of these Commissions were finally submitted to the Health Committee in Washington and adopted in substance; as they apply to the whole world, they will go forward through the Council of UNRRA for signature by Governments. The displaced persons problem being almost entirely a European one for the present, a report was adopted by the Committee of the Council for Europe, and an agreement based on it will shortly be

ready for signature by the Governments concerned. An expert commission on nutrition has also been set up to give technical advice on dietary and nutritional questions; no doubt expert commissions in other fields will be required, of which perhaps the most important will be a World Quarantine Commission to supervise the working of the revised International Sanitary Conventions. An Epidemiological Bureau has already been established in London.

### Relations with Allied Armies

The responsibility for the first phase of civilian relief rests upon the Allied armies and their Civil Affairs Branches. Moreover, should the military wish to hand over any of their functions with regard to civilian relief to UNRRA the consent of the Government concerned must be obtained. Whilst the exact responsibilities of UNRRA in this complicated picture have not yet been formally and completely worked out, the most cordial unofficial relations have been established between those concerned in the health field.

### Medical Supplies

The estimation of lists and quantities of requirements for medical relief was begun, long before UNRRA came into being, by the Technical Advisory Committee on Medical Supplies and Services appointed by the Inter-allied Post-war Requirements Committee. This work was taken over by UNRRA and agreement reached between Great Britain and the United States on drugs, dressings, etc., required, methods of packing, labelling, and so on. The basic supplies are in two forms—an emergency unit containing everything required for 100,000 people for one month and a standard unit with supplies for 1,000,000 people for three months; these latter units will form a pool from which actual needs in particular areas can be met. It is impossible to state exactly what medical supplies have actually been procured by UNRRA since these supplies are ordered by the Combined Boards and put into a pool on which a number of bodies have a claim. Thus stores may be stock-piled for the use either of the military or UNRRA in

accordance with whichever body is concerned when the need arises. In addition to these units, many other types of supplies have been ordered, including midwives' outfits, hospital units, epidemic control units, mobile laboratories, and water purification outfits. [A qualified and experienced chemist, recommended by the Pharmaceutical Society, is now on the staff of UNRRA Medical Supplies Section.]

Perhaps the most urgent and important of the health problems concerns the safe and expeditious return of the millions of so-called displaced persons to their homes without increasing the health hazards of

Europe by the spread of epidemics. In so far as Military and Allied Governments do not undertake this responsibility themselves, the Displaced Persons Division of UNRRA will be in charge, advised on health matters by the Health Division. The objective is to ensure that uniform and co-ordinating measures of medical inspection, delousing, immunisation, etc., are carried out in the countries of departure, transit and arrival, so that, on the one hand, the danger of epidemics is reduced so far as possible, and on the other that displaced persons are not unnecessarily detained in quarantine on frontiers and their return delayed.

## SECRETARY'S ADDRESS TO CARDIFF BRANCH

THE main subject of an address by the Secretary of the Pharmaceutical Society (Mr. Hugh N. Linstead, O.B.E., M.P.) to members of the Cardiff Branch on August 17 was the Government's White Paper on National Health Service. MR. LINSTAD prefaced his remarks with four points of post-war importance to which pharmacists would have to devote attention. These were:—

(1) Pharmaceutical education must make another substantial advance, and develop an even closer association with the universities and medical schools.

(2) Research work within the province of pharmacy must be actively pursued.

(3) Pharmacists in Great Britain must maintain close liaison with colleagues in foreign countries, especially the U.S.A. and U.S.S.R., and endeavour to set on foot again the International Pharmaceutical Federation.

(4) A specially close contact must be maintained, by interchange of students and otherwise, with pharmaceutical bodies and pharmacists in the Dominions, in India, and in the colonies.

### Proposals and Criticisms

MR. LINSTAD said that what he had to say about the White Paper comprised his own opinions, put forward to stimulate discussion and to secure criticism and comment. He outlined the principal proposals of the White Paper, and stated that the estimated cost was about £148,000,000 a year, against £61,000,000 at present. Since publication of the White Paper the Ministry of Health had been negotiating with some of the interests concerned. There was a general agreement on the need for a uni-

versal medical service, but objections on the precise proposals had been substantial, the principal objections being:—

(1) The plan would produce, within a few years, a salaried medical profession that would have lost its independence and professional responsibility.

(2) The medical profession would become subordinated to civil servants and local authority officials.

(3) The voluntary hospitals would fall into the hands of the local authorities for lack of resources.

(4) The Central Health Services Council would become part of the machinery of the Ministry, since members were appointed by the Minister and the Council did not publish its own reports.

Broadly, the critics suggested that the proposals would result in a mediocre service. On the other side, the White Paper was welcomed by those who saw in increased public administration the remedy for many admitted defects in the medical service. Consultations had been delayed because of the preoccupation of the Ministry of Health with evacuation and similar problems, and it was improbable that legislation to implement the White Paper would be introduced this year. Pharmacy ought therefore, by the autumn, to formulate its proposals for the pharmaceutical section of the service.

### State of Negotiations

So far, the Pharmaceutical Society (including its North British Branch), the National Pharmaceutical Union, and the Standing Committee for Scotland, had set up a joint committee, and the committee had published proposals for organising a



pharmaceutical service. It had been intended that they should be discussed by the Branch Representatives' meeting and by a Pharmaceutical Committees' conference, but both meetings had been cancelled at the request of the Ministry of Health. The three bodies had substantial identity of outlook. The committee did not include representatives of the Guild of Public Pharmacists, Company Chemists' Association, Co-operative Union, or trade unions interested in pharmacy, which might properly claim to be concerned in proposals to be put forward on behalf of pharmacy; it might be anticipated that these would be invited to confer on the provisional proposals that had been published.

The form of organisation proposed comprised an organisation modelled on that contemplated for the doctors, with a Pharmacy Board at the centre and area and local pharmacy boards at the levels of the Joint Authorities and local authorities. The former were new bodies. The latter corresponded to the present Pharmaceutical Committees in function, and would doubtless resemble them in membership and officers.

### Political Factors

It would be useful, said Mr. Linstead, to consider the general political background against which discussions of the White Paper were taking place. The chief problem facing both the medical and pharmaceutical professions was political, namely, how to delimit the respective functions of the State and the individual. Unfortunately the problem could not be easily approached objectively. If a practical approach to the facts of each problem could be made, an effective solution could probably be found that would secure general agreement. The White Paper attempted to find such a solution for the medical services and hospitals, but did so by conferring powers which, unless accompanied by precise safeguards, might enable ministers or their civil servants to bend the whole medical service into a State-operated machine.

There was a corresponding pharmaceutical problem. To supply the public with pharmaceutical needs could not be effected merely by giving every patient a prescription and using the present pharmacies. Large health centres (the present out-patients' departments of hospitals, for example) and clinics would have their dispensaries attached, and it was for the convenience of prescriber and patient that this should be so. But to permit a trans-

ference, even over a period of years, of all dispensing to health centres and public dispensaries was to ignore what the public wanted, and to ignore, too, the vital need of keeping the pharmaceutical profession independent and vigorous. The present structure of pharmacy was bound to be affected by the development of a national service, but existing bodies such as the Pharmaceutical Society and the Pharmaceutical Committees must approach the problems without preconceived ideas. They must be prepared to contemplate function at present performed by the Pharmaceutical Society being transferred to the Central Pharmacy Board or, if function were to be added to the Pharmaceutical Society, substantial changes in the method of election and the composition of the Council. He personally believed that old institutions could be adapted to new conditions but they must in no circumstances prove barriers to progress. Much might be achieved through a body such as the Society's Statutory Committee, gradually translating the best of public opinion in pharmacy into a code by its decisions. He believed the public would get the best service from pharmacists if the new service developed with a minimum of statutory regulation and maximum reliance on the good sense of the pharmaceutical body acting through the Central Pharmacy Board and Statutory Committee.

### "Pharmacy for the Pharmacist"

The fundamental principle of a pharmaceutical service was "pharmacy by the pharmacist" in the sense that where pharmaceutical work was to be done, there must be a pharmacist to do it. In hospital health centres and pharmacies, and also in the organisation of local authorities, pharmaceutical work must be undertaken by, or under the personal responsibility of, pharmacists. The corollary was that dispensing was not a function of medical practitioners. This would not, he believed, be contested by the medical profession whose position under a national service would be analogous to that under the National Health Insurance Act. Counters prescribing in its traditional form would continue because it was useful, but if a pharmacist was to participate fully in the pharmaceutical part of the National Health Service he must clearly undertake counters prescribing with circumspection.

Institutional pharmacy was well placed to take its proper place in the new service. Pharmaceutical departments should



cognised as separate entities with the chief pharmacist as a departmental head giving direct access to an appropriate committee. In every institution large enough to require a full-time dispensing service there should be a fully equipped pharmacy department. The Joint Authorities would be concerned largely with the administration of hospitals, so the pharmaceutical representation on the proposed Area Pharmacy Boards would be mainly hospital pharmacists. The Joint Authorities were, however, concerned with planning over the whole field of the medical service of the area, and other pharmaceutical representation would also be appropriate. Some representation of hospital pharmacists on the local pharmacy boards would also be needed. Dispensing out-patients' departments would change when the new scheme came fully into operation. All present out-patients would be entitled to domiciliary treatment, and they would not, as now, go to the hospital to see their general practitioner, unless the department was adapted to become a health centre. This change in the status of the present out-patient might mean that a large number of additional patients would come to the chemist's shop for their medicine.

### Health Centres

The name Health Centres should be reserved for institutions designed to cater for health in the widest sense, which would provide for health education (film shows, demonstrations and exhibitions connected with nutrition, exercise, bodily health and nursing). They might well house clinics and laboratories for diagnosis and even wards for observation, but would primarily be centres dedicated to health and not disease. It seemed probable that the name would become attached to places concerned with sick people, and if this were so they should be establishments of the kind visualised in the Dawson Report of 1921—places where beds and diagnostic facilities were at the disposal of local practitioners. Parallel with these would be the provision of joint surgeries for groups of, say, not more than four doctors, but such joint surgeries ought not to be dignified by the name of health centre. At present surgeries no dispensary would be necessary. The patient would be given a prescription as now. At the health centre proper, a dispensary might be provided, perhaps as a daughter establishment fed

from a parent hospital. There would be a pharmacist in control, but a full pharmaceutical department would not, in most centres, be justified. Rural areas were a problem of their own, medically and pharmaceutically.

### Chemists' Shops

There was no reason why the 15,000 pharmacies at present providing the pharmaceutical service should not continue to do so, and every reason why public money should not be spent in duplicating a service which was already being efficiently provided. A number of considerations arose in connexion with standards. Perhaps the principal was by whom the medicine was compounded. The Medical Benefit Regulations at present required this to be done "by or under the supervision of" a pharmacist. If the medicine contained a poison, the dispensing must be done by or under the "direct and personal" supervision of a pharmacist. The requirement that all dispensing should be done by a pharmacist was in his view too stringent. The full responsibility of the pharmacist to have this work performed under his eye was something the public had a right to demand, and that the pharmacist should welcome. Whether a class of dispenser should be admitted was a question that ought to be examined. It would not be unreasonable, if a statutory dispenser's qualification were created, to provide that the dispensing should be done by such a dispenser or by a pharmacist, thus doing away with the element of supervision and ensuring that the skilled work was performed always by a trained person. He did not consider the public would gain any advantage by the creation of such a class. In few skilled occupations was a limited knowledge more dangerous than in pharmacy, where the unexpected might turn up in any prescription and mislead the unwary. Such a group of people, possessing however limited functions, would be bound to detract from the personal responsibility of the pharmacist for the adequacy of everything that left his establishment. The insistence upon "direct and personal" supervision by pharmacists, coupled with substantial increase in the numbers of prescriptions to be dispensed, might well lead to an increased demand for pharmacists. More pharmacies than at present would need the services of two qualified men, and it might be that a substantial increase in the total number of pharmacists would be needed.

*(To be concluded)*

## SEEN IN CROSS-SECTION

THE London Pharmacopœia of 1746 was translated in the following year, with notes, in "The British Dispensatory," an anonymous work with a longer title than is here cited. Within its limits the book is a good specimen of its class, and by including the contents of the Edinburgh Pharmacopœia of 1744 "in a compendious manner" must have saved time and money for its purchasers. As was usual at that period, the information given was designed for a wider circle than the readers who consulted it for trade or professional purposes. In the preface we read: "A work of this kind must not only be necessary for all druggists, chemists, and practitioners in the art of healing, but of great service to such as are studious of their health, and unwilling blindly to acquiesce, with the generality, in the skill and prescriptions of the physician."

### Criticism of the Authorities

The author does not hesitate to criticise, on occasion, the authorities whom he has translated. After remarking that it would be unjust to condemn the Pharmacopœia Londinensis as a whole, he adds:—

"It were, however, to be wished, that, instead of adding some new ones [i.e., remedies] equally exceptionable with those which they have laid aside, they had either absolutely rejected all the difficult processes for obtaining, by laborious and expensive methods, substances no way differing from others which are common and cheap, or had at least noted them as such. . . It might have been well also, if the college had discarded a greater number of non-effectual or insignificant simples. . ."

And under the formula for *tinctura thebaica* (Sydenham's laudanum) he comments:—

"The extravagant disposition mentioned in the preface of the college, to mix and accumulate simples in every medicine, without any regard to design or real use, has extended itself even to this preparation, tho' originally introduced by Sydenham, eminent for the simplicity of his practice."

After dwelling on the unimportance of the spices ordered and discussing the pharmacy of opium, he recommends that this tincture be made by infusing sliced opium in boiling water, adding warmed "weak spirit of wine," and straining when cold; the spices, if desired, can be incorporated in the form of a tincture.

### A Contrast

In the Annual Special Issue of THE CHEMIST AND DRUGGIST for 1931, Dr. Charles Singer remarked, referring to the eighteenth and early nineteenth centuries: "It is not too much to say that the Scots ruled British medicine for a century and a half, and they ruled it well." However true this may be, a comparison of the Pharmacopœias of London and Edinburgh during the middle years of the former century shows one marked contrast: in many cases the Scottish formulas are more elaborate than the English. The *hiera picra* of the P.L., for instance, is a mixture of extract of Socotrine aloes with powdered canella; that of the P.Ed. has five ingredients. The P.L. compound spirit of lavender consists of spirit of lavender and spirit of rosemary with the addition of cinnamon, nutmeg and red sanderswood; its opposite number in the P.Ed. contains twenty-one ingredients (or a minimum of nineteen), and involves distillation. Even calamine, accepted in the P.L. in its commercial state, must under the Edinburgh jurisdiction be heated three times, "quenched" each time in rose water and shaped into balls, leaving little to what the author of the Dispensatory calls "the discretion of the artist."

### The Line of Descent

It will be convenient to divide these formulas into two classes, those having modern equivalents and those that have become obsolete. Tinctures yield several examples of galenicals that with modifications have survived. *Balsamum trauematicum* has become *tinctura benzoin composita*: the P.L. formula is substantially that of the B.P., 1932, but the P.Ed. orders benzoin, balsam of Peru, oil of cloves, aloes and myrrh in rectified spirit to be kept in "the heat of the sun" for a month or digested in *balneo* for eight days. *Tinctura amara*, P.L., corresponds closely to our present compound tincture of gentian, while the P.Ed. uses French brand as the menstruum, has gentian, orange peel and cochineal as solid ingredients, and calls the preparation *elixir stomachicum*. The *tinctura stomachica* of the P.L. resembles *tinctura cardamomi composita*, B.P., 1932, with the addition of raisins; *tinctura ad stomachicos*, P.Ed., differs considerably, containing cinchona and other vegetable ingredients macerated in French white wine, with iron filings as an optional addition. The London Pharmacopœia has



two tinctures of rhubarb, spirituous and inous, with identical proportions of rhubarb, cardamom and saffron in each. The Edinburgh Pharmacopœia has three tinctures of rhubarb. The simple tincture is cinnamon water for its menstruum; the bitter and the sweet tinctures are of more elaborate composition, with Spanish white wine and brandy as the respective bases. In *mercurius alcalisatus* this Pharmacopœia has a forerunner of grey powder; the ingredients are mercury and crab's claws in the proportion of three drachms and five drachms respectively.

### Ointments

Some of the ointments have successors not greatly differing from them. *Unguentum album*, P.L., consists of olive oil, white wax and spermaceti; that of the P.Ed. adds spermaceti and adds white lead in the proportion of about 22 per cent. of the total. The London *unguentum album* has become, with modification, *unguentum stacei*; its Edinburgh counterpart is represented by *unguentum plumbi carbonis*, though with a reduction in the lead salt. The United States Pharmacopœia now calls its simple ointment *unguentum album*. The London Pharmacopœia of 1746 has three basilicon ointments, yellow, black and black. The formulas of the first and second still appear in "Pharmaceutical Formulas," Vol. I; the black variety has "dry pitch" in place of Burgundy pitch, and omits the turpentine of the first formula. Its alternative name is *tetracarmacum*. The Edinburgh Pharmacopœia has only one basilicon, made from yellow wax, goat's suet, white resin, "hard pitch," Venice turpentine and olive oil. Of the two ointments of mercury, *unguentum cæruleum fortius* (or, at Edinburgh, *unguentum Neapolitanum*) and *unguentum cæruleum mitius*, a *cæratum mercuriale* is added; they contain respectively about 33, 25 and 18 per cent. of mercury. *Unguentum simplex*, P.L., is red beaten with rose water and perfumed with essence of lemon; its Edinburgh analogue, *unguentum rosaceum*, has oil of codium in place of essence of lemon. Two of the P.L. liniments are of ointment consistence: *linimentum album* is a mixture of olive oil, spermaceti and yellow wax; and *linimentum tripharmacum* consists of common plaster, olive oil and vinegar. As the late Mr. William Kirkby has pointed out (*C. & D.*, 1939. I. 680), "the lack of the cult of the pill so far as pharmacopœias and dispensaries are concerned"

was reached in the seventeenth century. In the 1721 *Pharmacopœia Londinensis* the thirty-eight pills of the 1618 P.L. had been reduced to twenty-three, and in its successor of 1746 the number was only nine.

### Notable Pills

Two of these are of unusual interest. The formula for *pilula Rufi* is attributed to Ruffus of Ephesus, who flourished *circa* 100 B.C.: in the P.L., 1618, it was headed "*Pilulæ Pestientiales* (Ruffi)." In the 1721 P.L. it was renamed "*Pilulæ Ruffi*." Why "Ruffi" became "Rufi" in 1746 is not clear; it may be that the new spelling fitted the general pronunciation. It need hardly be added that this pill survives as pill of aloes and myrrh. The deleted third ingredient merits a note. In the London Pharmacopœia of 1746 it was saffron, in the Edinburgh Pharmacopœia of 1744 ammoniacum. This difference goes back to 1555, if not further. In that year was printed an edition of the "*De Compositione Medicamentorum*" of B.D. Cronenburgius, who states that the pill of Ruffus should contain ammoniacum, the alternative pill with saffron being the *pilula communis* of Rhazes. The other pill formula to be mentioned here is headed in the P.L. "*Pilulæ ex Colocythide cum Aloe*," and in P.Ed. "*Pilulæ Coccia*." Its forerunner in the 1618 P.L. was named "*Pilulæ Cochiae* (Rhasis)": we have no reason to doubt that the originator was the ninth-century Arabian physician Rhazes, though he may have modified some earlier combination of drugs. The two official formulas in the Dispensatory for this pill are relatively simple, with only slight differences.

### Obsolete Medicaments

The 1740's supply a dividing line between traditional medicaments reeking of superstition and others with more rational credentials. It may be remembered that at this period human skull was no longer official but woodlice and earthworms remained, disfiguring the Pharmacopœias in company with the plethoric mithridate and theriaca Andromachi. A few notes on certain galenicals now obsolete may be added. *Jus viperinum* must have tasted agreeable to the majority of patients, as for every viper used a middle-sized chicken was ordered. *Tinctura fuliginis*, consisting of wood soot and asafetida in proof spirit, was no doubt less relished. The time-honoured bezoar stone still survived in *pulvis bezoardicus*, where it figured with compound powder of crab's claws as the diluent. The therapeutic



inertness of bezoar stone had been set forth by Frederick Slare in 1715 and by Joseph Browne in 1721: yet it remained official in the P.L. till 1788. Pulvis diatessaron of the P.Ed. (birthwort, gentian, bayberry, myrrh, equal parts) is of interest as having obtained its name from the number of its ingredients; in the same way the addition of a fifth substance (in this case ivory shavings) constituted pulvis diapente. The latter powder survived in veterinary use till recent years, and may even now be heard of. Aqua arthritica, P.Ed., is a solution (1 in 64) of white "or yellow" arsenic prepared by heating with quicklime "over a slow fire" for twenty-four hours; the dose is not indicated. Decoctum ad icteros, P.Ed., is mainly of vegetable origin, but includes the "juice of two hundred wood-lice" in about 3xliij. Tinctura salutaria, P.Ed., is practically a compound tincture of cardamom with brandy as menstruum; the title may

have inspired confidence in patients who could read their prescriptions. Mars saccharatus, P.Ed., is iron filings candied with twice their weight of sugar. Balsamum ad apoplecticos, P.Ed., contains the oils of clove, lavender and rosemary with expressed oil of nutmeg and balsam of Peru. Unguentum nervinum, P.Ed., comprises eleven kinds of leaves or flowers boiled in a mixture of neat-foot oil and beef suet, with the addition of oil of bay after cooling and straining. The Edinburgh mercurius alcalisatus mentioned in a previous paragraph has a companion in mercurius saccharatus, consisting of mercury ground in a glass mortar with brown sugar candy. Some of the jellies and poultices found in this volume are reminiscent of cookery books; and a sidelight on the pharmacy of the period is afforded by the direction that pill-masses should be kept in bladders "oiled or moistened with the same fluid used in making the mass."

## LEICESTER N.H.S. QUESTIONNAIRE

In June, the following questionnaire was sent to members of the Leicester Branch of the Pharmaceutical Society of Great Britain to ascertain their views on questions appertaining to the proposed National Health Service. The questionnaire followed the main headings specified by the Council for discussion at the Branch Representatives' meeting, and the form of the questions was discussed at a branch meeting before the questionnaire was sent out. Two hundred and twenty-four copies were distributed and eighty-four (37.5 per cent.) were returned. The percentages quoted below are of replies received.

### Organisation

The replies showed almost complete agreement that pharmaceutical advice and direction is needed, that the existing N.H.I. administration should be used (subject to adequate pharmaceutical representation), and that existing pharmacies should be utilised. There was only slightly less agreement that doctors should not dispense and that a Central Pharmacy Board is necessary, but only 67 per cent. think that this authority should have power to control the opening and closing of pharmacies. Opinion was very divided on the need for the other suggested authorities, and only 42 per cent. considered the Area Pharmacy Board to be necessary. 69 per cent. thought pharmacists should not prescribe, but 70 per cent. did not consider that "recommending" constitutes "prescribing."

### Service

Opinion was almost equally divided as to whether or not the present service is satisfactory, 55 per cent. saying that it is 63 per cent. believed that, in the new service, a 24-hour service should be provided in some form, but 68 per cent. did not think that a delivery service is needed 77 per cent. considered that the dispensing should be done by a pharmacist and not merely under his supervision, whilst 74 per cent. believed that some authority should have power to enforce standards of equipment. Of the thirty-five suggestions for improving the service, practically all were towards a greater degree of professionalism on the part of pharmacists. Much emphasis was placed on the need for better remuneration to allow improvements to be carried into effect.

### Health Centres

Although it seems to be generally believed that health centres will be tried out 60 per cent. were against the inclusion of dispensaries in these. 61 per cent. believe that compensation should be paid to those pharmacies which could substantiate a claim that they had lost dispensing by reason of the establishing of a dispensary in health centre.

### Remuneration

Although there was almost unanimous agreement that present remuneration





## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

### 28 Essex Street, W.C.2, August 30

APART from a few inquiries for a limited number of commodities there is little fresh to report this week. Markets generally continue firm, with turnover considerably below recent average. It is anticipated that better conditions will prevail as the holiday season comes to an end. In PHARMACEUTICAL CHEMICALS, makers report little activity and no important price changes. Reports from all quarters indicate dull markets in DRUGS, with prices generally firm. There are still no offers of CAPE ALOES. BALSAMS are without quotable change on the week. BENZOIN continues in good request, with the price tending firmer. CHILLIES are inclined easier. ERGOT is scarce on spot, with forward prices firm. Some offers of Nicaraguan IPECACUANHA are reported. Available supplies of JABORANDI are small. MENTHOL continues in good demand, but supplies are difficult to locate. A good request has been received for RHUBARB, prices of which are firm. Rather more inquiry has been noted for DILL SEED; other imported varieties are unchanged. Medium grades of TRAGACANTH are firm, but without price alterations. The Spices (Control) Order, 1943, which required quarterly returns to be made of stocks amounting to more than 10 cwt. of unprocessed cinnamon, and stocks of unprocessed nutmeg and mace amounting in either case to 20 cwt., has been revoked. Persons are also permitted, under the revocation of the Order, which is effective from August 31, to process or dispose of stocks. The revocation results from an improved supply of the spices in relation to the demand. The ESSENTIAL OILS market provides few topics for comment. Prices for such oils as are obtainable are generally high, but the extent of business transacted is negligible. No further price changes have been notified for the controlled oils.

### Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for crystals are steady at 2s. 5d. per lb., and powder at 2s. 6d.

ALLOBARBITONE.—Steady at makers' price of 60s. per lb.

AMPHETAMINE.—Current price is 150s. per lb.

BARIUM SULPHATE, B.P. (x-ray).—Quoted at the following rates per lb. in quantities of 28 lb.—

1 cwt. (containers in brackets): 1s. 5½d. (1-lb.) 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.) 1s. 2d. (28-lb.).

BORAX.—Makers' current rates are unchanged: B.P. quality, granulated, £42 per ton; crystal, £43; powder, £43 10s. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

CAFFEINE.—Quantities of 7 lb.—28 lb. are quoted per lb. as follows (supplies subject to D.M.S. approval): ALKALOID, B.P., 34s.; CRATE, 23s.; SODIUM BENZOATE, 23s.; SODIUM SALICYLATE, 23s. 9d. Tins extra when supplied.

CALAMINE, B.P.C.—Price per lb., in 7-lb. lots, is steady at 1s. 8d., and in 28-lb. lot 1s. 6d.

CITRATES.—Makers quote POTASSIUM per lb. in 28-lb.—1 cwt. lots, as follows (containers in brackets): 3s. 3½d. (1-lb.); 3s. 2d. (4-lb.); 3s. 1d. (7-lb.); 3s. 0½d. (14-lb.); 3s. (28-lb.) IRON AND AMMONIUM (SCALES), B.P., is 3d. per lb. above, and SODIUM is at 1d. per lb. below these prices; POTASSIUM AND SODIUM POWDER, 1d. per lb. extra.

CREAM OF TARTAR.—Prices for the small quantities are controlled as follows: Less than 7 lb., 2s. 10d. per lb.; 7 lb.—14 lb., 2s. 9½d.; 14 lb.—28 lb., 2s. 9d. For the full schedule, see C. & D., May 20, p. 555.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 1 oz., 75s.; 4 oz., 90s.; 16 oz., 65s. (3s. 2d.).

LACTATES.—Prices are unchanged as follows: LACTIC ACID.—Six-winchester lots, 2s. 10d. per lb.; smaller quantities, 2s. 11d. CALCIUM LACTATE.—Small quantities, 2s. 3d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots 3s. 5d. per lb.; 14-lb., 3s. 2d.; 28-lb., 3s. granular, one penny per lb. extra.

PHENOLPHTHALEIN.—No change in makers' prices, as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d. 1 cwt., 4s. 2d.

SANTONIN.—Home-trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2-4 kilos, £64; 1 kilo, £65; 500 gm., £66; 250 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

TERPINEOL.—The price of pure medicinal quality is steady at from 3s. 3d. to 4s. per lb. for antiseptics of the chloroxylenol type.

VANILLIN.—Current rates are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lbs., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

## Crude Drugs

**AGAR.**—Maximum price under the Control Agar (No. 1) Order, 1943, is 30s. per lb.

**ALOE.**—There are no offers of Cape at present. Curaçao is scarce on spot, with the price at 500s. per cwt.

**BALSAMS.**—Spot quotations for *Peru* are steady at 7s. 9d. per lb., and those for *Canada* 9s. 9d. to 10s.; *Tolu* and *Copaiba* are unavailable.

**BENZOIN.**—Continues in good request. Any available supplies of Sumatra would be worth about £40 per cwt., and Siam almond block, 5s. 6d.

**CARDAMOMS.**—Conditions are exceedingly tight, with prices unchanged. Aleppy greens, 6s. 6d. per lb.; Aleppy seed, 6s. 6d.; split id, 5s. 6d.

**DIGITALIS LEAVES.**—English-grown leaf is available at 2s. 6d. per lb., and Portuguese at 10s. per cwt.

**DRAGON'S BLOOD.**—Dull Zanzibar drop is nominal at £25 per cwt.

**ERGOT.**—Scarce on spot, with price about 6d. per lb.; shipment, firm at 6s., c.i.f.

**GUM ACACIA.**—Spot quotations for Kordofan and other sorts are steady at 80s. per cwt.; packed, shipment, 140s. per cwt., c.i.f.; spot, 5s. Talha, cleaned, 50s. per cwt., landed.

**PECACUANHA.**—There are no offers of Matto Grosso or Minas at present. Some Nicaraguan on float is reported to be offering to approved manufacturers at 16s. 9d. per lb., landed terms.

**LABORANDI.**—Any small available supplies would be worth about 52s. 6d. per cwt.

**LIQUORICE ROOT.**—Russian root for pharmaceutical use is quoted at 85s. per cwt.; single-dried Syrian, in small compass, 110s. per cwt., subject to official approval.

**MENTHOL.**—Demand is good, but supplies difficult to find.

**NUX VOMICA.**—Spot quotations for Cochin are steady at 42s. 6d. per cwt.; shipment, 45s., c.i.f.; Cocanada seed, shipment, 32s. 6d. cwt., c.i.f.

**RUHARB.**—Remains in considerable request. Price is firm at 11s. 6d. to 12s. per lb. for both high-round and flat high-dried. Shensi irregular shapes, 14s. per lb.

**SEEDS.**—Rather more inquiry has been received for DILL, price of which is easier. For imported seeds are unchanged. Current prices are as follows: **CORIANDER.**—Indian, 75s. per cwt. **CUMIN.**—Maltese, spot, 105s.; Indian, 110s. **DILL.**—105s., ex wharf. **FENNEL.**—Red at 85s. **FENUGREEK.**—May be had at 85s. **MUSTARD.**—Controlled prices are unchanged.

**PEANUTS.**—Alexandrian medium pods are at 10s. per lb.; Tinnevely, manufacturing grade, 10s. 6d.; hand-picked, 8s. 3d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s.; Tinnevely, No. 1, 9d. to 10s. 3d.; No. 2, 7s. 3d.; No. 3, 5s. 3d. to 6d.

**STRAMONIUM LEAVES.**—East Indian leaves would be worth from 80s. to 85s. per cwt.

**TRAGACANTH.**—Prices of the medium grades are firm at the following levels: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

**TURMERIC.**—Sound-quality Madras finger may be obtained on spot at 57s. 6d. per cwt.

**VALERIAN ROOT.**—Spot price of Indian root is steady at 100s. per cwt.

## Essential and Expressed Oils

**ANISE (STAR).**—Prices continue nominal at 160s. per lb.

**CAMPHOR.**—Chinese crude, in limited compass to approved buyers only, may be had at 10s. per lb., and similar quantities of B.P. at 11s. 6d.

**CINNAMON.**—Any available supplies of leaf oil would be worth about 13s. 9d. per lb.

**CLOVE.**—No change has been notified in English distillers' prices of 11s. 6d. to 12s. per lb., according to quantity.

**EUCALYPTUS.**—In short supply. Oil containing 70 to 75 per cent. cineole would cost approximately 7s. 6d. per lb.

**NUTMEG.**—English distillers' price of 35s. per lb. is unchanged, with lower rates for quantities.

**OLIVE.**—Quotations for edible oils are steady at 25s. 9d. per gallon (9 lb.), ex store.

**PEPPERMINT.**—Any available small spot supplies would be worth approximately 190s. per lb.

**RAPESEED.**—Official quotation for bulk quantities is steady at £85 per ton, naked ex works.

**Controlled Essential Oils.**—The Advisory Committee of the Essential Oils Control has announced the following prices which are effective under the 1944 programme. These prices cancel all those previously advised. Other prices will be fixed from time to time:—

Bergamot .. ..	23s. 10½d.
Camphor .. ..	2s.
Coriander .. ..	128s. 10d., plus duty, 11s. 6d.
Fennel .. ..	11s. 6d., plus duty, 1s.
Lemon oil, distilled ..	11s. 9d.
Lemon oil, cold-pressed or Sicilian ..	17s. 4½d.
Peppermint .. ..	37s.
Pine needle .. ..	13s. 10d., plus duty, 1s. 10d.
Tangerine .. ..	33s.
Vetivert .. ..	38s. 4d., plus duty, 3s. 5d.
Wormseed .. ..	15s. 3½d.

Purchase tax applies to wormseed oil only and the amount of such tax will form an addition to the price to the user. The price on the sale to a user will be increased by the authorised charges for breaking bulk.



## TRADE MARKS

(From "The Trade Marks Journal," August 9)

"OBETAN" and "OBETOL"; for fungicides (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 629,411-12 (Both Associated).

"HARLEQUIN"; for spectacle and eye-glass frames, etc. (9). By The Harlequin Corporation, c/o F. B. Dehn & Co., Kingsway House, 103 Kingsway, London, W.C.2. 627,645.

"CURFEW"; for sprinkler systems for fire-extinction (11). By Curfew Doors & Shutters, Ltd., 49 Pott Street, Manchester, 4. 629,040.

Device of castle with words "Castle Brand, English Manufacture"; for brushes (21). By The Avon Brush Co., Ltd., Bradford-on-Avon. 628,157.

(From "The Trade Marks Journal," August 16)

Device of Cupid and words "Poudre Tokalon" (the mark will be varied by the substitution of the name of the goods referred to for the word "Poudre"); for non-medicated toilet preparations (3). By Tokalon, Ltd., Avon House, Oxford Street, London, W.1. 627,725, 627,891 (Both Associated).

"TRIFA"; for all goods (5). By Trinity Laboratories, Ltd., Brook House, Old Mill Street, Blackburn. 626,297.

"ELEDIN"; for pharmaceutical preparations (5). By Elesco Manufacturing Co., Ltd., 5 & 6 Durward Street, Vallance Road, London, E.1. 628,583.

"MECLO"; for closures and stoppers (principally of metal) for bottles, etc. (6). By Metal Closures, Ltd., 73-75 Grosvenor Gardens House, Grosvenor Gardens, London, S.W.1. 628,214.

Device of rose; for hairslides and hairpins (14). By Rosedale Associated Manufacturers, Ltd., 34-36 Oxford Street, London, W.1. 627,909 (Associated).

"MONTSERRAT"; for non-alcoholic beverages (32). By The Montserrat Co., Ltd., 33-34 Paradise Street, Birmingham, 1. 628,373 (Associated).

(From "The Trade Marks Journal," August 23)

"BOOTS"; for all goods, except adhesives for use in manufacture of boots, shoes, etc. (1); soaps, perfumery, essential oils, etc. (2); all goods, except socks for curative purposes (5). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 628,350-52 (All Associated).

ALFRED DUNHILL facsimile signature; for soaps, perfumery, essential oils, non-medicated toilet preparations, etc. (3). By A. Dunhill, Ltd., 30 Duke Street, St. James's, London, S.W.1. 628,024.

"CHEMICO"; for soaps (3). By The County Chemical Co., Ltd., 553 Stratford Road, Shirley, Birmingham. 629,098 (Associated).

"VELUFAX"; for veterinary preparations, and sanitary preparations (5). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 628,486.

"LEUKOLASTIC"; for medical and surgical plasters (5). By Herts Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts. B628,815 (Associated).

"MADAME DU BARRY" (device of same) (exclusive use of words "Madame du Barry" disclaimed); for medicated paper handkerchiefs and toilet paper (5). By Swan Mill Paper Co., Ltd., 92 Regent Street, London, W.1. 629,166 (Associated).

"KESTOS"; for sanitary towels, belts, knickers, etc. (5); articles of clothing for curative or surgical purposes (10). By Kestos, Ltd., 215-21 Regent Street, London, W.1. 629,277-78 (Both Associated).

"POLGA"; for medicated beverages (5), non-alcoholic beverages (32). By Pure Lemon Juice Co., Ltd., 85, 87 & 89 Summer Road, Croydon. 629,517-18 (Both Associated).

"OPTIONIC"; for scientific and optical instruments and apparatus (9). By T. Beech & Sons (Glassworks), Ltd., 3-25 North Road Preston. 628,699.

Device of a bear on a pedestal; for apple juice (32). By Bear Honey Co., Ltd., Garvin House, Twickenham Road, Isleworth Middlesex. 629,505 (Associated).

## C. & D. DISPENSING PRICE LIST

CHANGES of prices for August were mostly for manufactured preparations, and the index cost showed no variation from the July figure (134.8), the corresponding index for August 1943 being 134.4. The itemise changes are—

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price		
d.	per		4 oz.	1 oz.	1 dr.
57	oz.	Apiol .. ..	—	—	1
20	lb.	Aqua sambuci ..	1 6	0 6	0
51	lb.	Aqua sambuci trip.	3 10	1 2	0
40	oz.	Aqua sambuci conc. 1-40 ..	—	—	2
49	oz.	Cinchophenum & only	—	—	1
165	lb.	Collod. sal. co., B.P.C. P. 1 (9)	—	1 10	0
9	lb.	Cretæ Gall. pulvis..	0 5	0 2	—
33	lb.	Cumini fructus pulv. ..	1 3	0 6	0
65	lb.	Elixir cascara sag.	2 7	0 10	0
72	lb.	Ext. belæ liq. ..	2 8	0 10	0
80	dr.	Ext. cannabis indicæ D.D.	—	0 4	pe gra
9	lb.	Fuller's earth levig. alb. ..	0 6	0 2	—
16	oz.	Galbani pulvis ..	—	2 4	0
6	oz.	Terpineol ..	—	0 11	0
15	oz.	Tr. hydrastis ..	—	2 6	0
75	lb.	Ung. acid. tannic...	3 0	0 11	0

The NEW Antacid

# *Normo-Gastrine*

BRAND TABLETS

(Hydrated Oxides of Silicon and Alumina.)

**Neutralises in less than 20 minutes**

**BUT**

**Unlike Bismuth, Magnesia and Bicarbonate of Soda, etc.**

**DOES NOT**

**Destroy Pepsin,**

**Render the Stomach Alkaline,**

**Lower the Hydrochloric Acid content  
below normal,**

**Evolve Carbonic Acid and so cause the  
familiar secondary symptoms of  
distention and fullness.**

**PRICE 2/- incl. of P.T.**

**Wholesale 14/- plus P.T.**

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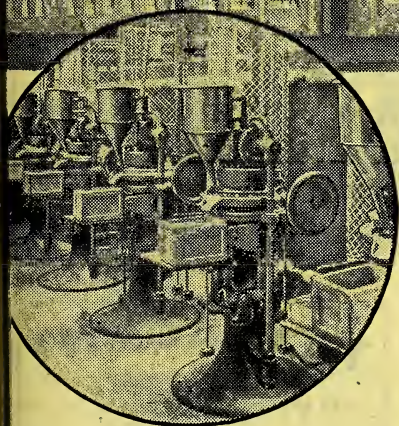
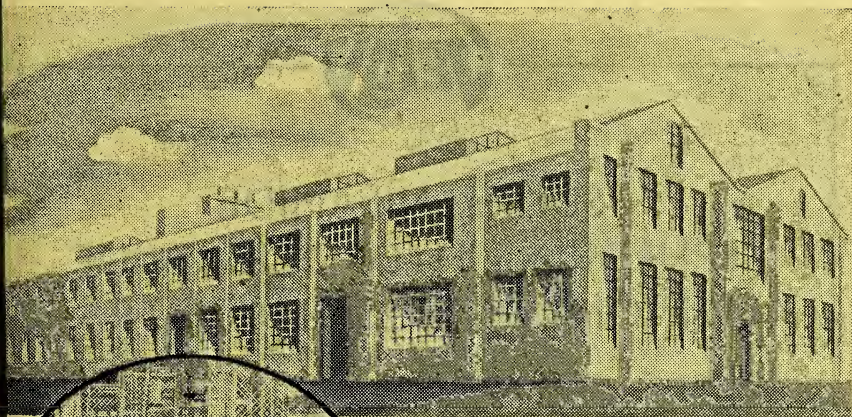
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**LORD TRENT'S SPEECH:**

The fifty-sixth Annual General Meeting of Boots Pure Drug Co., Ltd., was held on Thursday, the 17th August, at Beeston, Nottingham. The Rt. Hon. Lord Trent, Chairman, presided, and said in the course of his speech:—

**ACCOUNTS.**

This year we have made a number of alterations in the presentation of our accounts, which we hope will give a clearer picture of the Firm to our shareholders. The main differences are:

(a) Provision for the full liability for Income Tax Schedule "D" on the profits of the year, is shown clearly in the Profit and Loss Account.

(b) The Income Tax deducted from the Dividends paid is now allowed for in the Appropriation Account instead of the Profit and Loss Account. The effect of this alteration is to show the Dividends paid at the net amount received by the Shareholders, instead of the gross amount of the Dividends as in previous years.

In addition we have added a combined statement of Assets and Liabilities of the Retail Subsidiary Companies.

During the year we have increased substantially the liquid reserves of the Company. Though we have as far as possible kept our plant up to date, it has been worked very hard during the past five years. In addition there is a great accumulation of deferred repairs and renewals of damaged shops and premises. These arrears will have to be caught up at the earliest moment. All this will make great demands upon our resources.

The staff have worked splendidly, often under very trying conditions, and on your behalf as well as our own I offer them our grateful thanks.

Our Scheme of Allowances to the permanent members of the staff in the Forces has been revised to benefit particularly the lower-paid worker.

The year has been an exceedingly busy one for all sections of the business, and many records have been broken, the number of prescriptions dispensed, and sales both Retail and Export all have reached new high levels.

Shareholders will be interested to know that during the years 1930-1940 the Company spent on development of the business over £6,000,000, of which £3,820,000 was from profits. This was used not only for erecting new plant and factories and warehouses, but also for building and equipping large numbers of new shops. I would like to quote a paragraph from my speech in 1934. "As an instance of what has been done, I may quote the action of our own Company, which in the period since 1930—that is, during the depth of the depression—has spent £2,147,972 on properties, fixtures and plant. This has meant that large numbers of people have been given employment by the firm quite apart from our own 17,788 employees, an achievement only possible because we had the funds available and because the Directors had sufficient faith both in the Firm and in the country to put the work in hand in bad times."

It is sometimes stated that the Multiple Shops are driving the individual shopkeeper out of business. That this is not so in the chemist's business is shown by the fact that during the twenty years between the wars, the number of chemist's shops in this country increased by 5,000 or 50% according to the most reliable figures available. I have no hesitation in saying that largely thanks to our example the public were getting a much better and more complete chemist's service at a lower cost in 1939 than they were in 1919.

The Report and Accounts were adopted.

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No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.

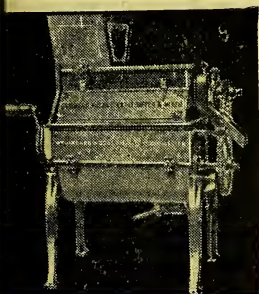
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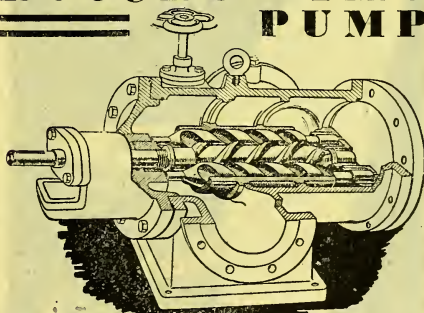


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SEPTEMBER 2  
1944

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With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

### RETAIL (HOME)

**BEESTON.** Chemist's Assistant capable of taking charge. Exceptional salary. Permanency for conscientious worker. No Sunday or holiday duties. Reply with full particulars of situations held, age, references. Interview required. CDB/322, C. & D. London Office.

**BERKSHIRE,** safe area. Unqualified Dispenser/Assistant (male or female), single preferred, required immediately. Several other staff employed. Good salary. Special war bonus and bonus on turnover paid. Hickman & Metcalf, Ltd., Market Place, Newbury.

**CHEMIST,** unqualified Lady Assistant. We are requiring the services of an unqualified Lady with experience in the better class of pharmacy. A permanent and progressive post can be offered to a suitable applicant. This advertisement is authorised by the Ministry of Labour, and the usual age restrictions do not apply. Reply to Chairman, John Skinner, Ltd., Chemists, Stirling.

**MANAGER** (exempt) required in immediate future for a vacancy caused by call-up. Employment could be given at once pending. Good-class business in busy town in the West of England. Applications, with as full details as possible in first letter, please, to W. R. B. Arnold, 1 Old Tiverton Road, Exeter.

**MANAGER** for Surgical Appliance Retail Business. S. Ramplin, 3 Market Street, Cambridge, requires at once a trained Man to take full charge of well-established Business. Give qualifications and remuneration expected in first letter. Mark envelope "Personal."

**ORRIDGE & CO.,** Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

**PARTIALLY** disabled young Chemist seeks permanently, well-recommended Unqualified Assistant. Easy hours. N.E. Hants country town. Accommodation. 576/655, C. & D. London Office.

**QUALIFIED** or Unqualified Dispenser-Assistant, single preferred, required for long-established family dispensing business. Other staff employed. Safe area. Henry Davis (Newbury), Ltd., Chemists, 37 Northbrook Street, Newbury.

**QUALIFIED** Manager for duration. To replace Owner called upon for National Service. Either sex. Apply with references and stating salary required to Stratford, 12 Upper Maudlin Street, Bristol, 2.

**QUALIFIED** Pharmacist required immediately in S.W. District. Generous salary for good, reliable person. Very easy hours, and the position is permanent. Apply with full particulars, age and salary required, to 577/674, C. & D. London Office.

**ROYAL ARSENAL CO-OPERATIVE CHEMISTS LTD.** invite applications from qualified pharmacists for the position of Relief Manager. Position approved by the Pharmaceutical War Committee. Good post-war prospects. Apply in writing, stating age, experience, salary required, and position under the National Service or Registration for Employment Order Acts, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

**WANTED,** Assistant Dispenser to Firm of Doctors in Midlands. Exemption granted. Safe area. 577/672, C. & D. London Office.

## WHOLESALE

**AMPOULE** Department. Permanent position for capable Man or Woman to take charge and Chief Chemist. Exempt, for essential work laboratory, 12 miles London. Full details of experience and salary required to 576/660, C. & D. London Office.

**AN** old-established firm of Agricultural and Horticultural Chemists, have Vacancies for Travellers calling on Chemists, Seedsmen and Ironmongers in the following territory: Nottinghamshire, Derbyshire, Leicestershire, Northamptonshire, Bedfordshire, Huntingdonshire, Rutland, Norfolk, Suffolk, Essex, Cambridgeshire, Oxfordshire, Buckinghamshire, Berkshire, Hertfordshire, Kent, Sussex, Surrey, and South Wales. State age and full particulars as to past experience and present agencies. Apply on a commission basis. 577/666, C. & D. London Office.

**A WELL-KNOWN** Firm of Chemical Manufacturers have a vacancy for a Senior Chemical Buyer. Applicants should have knowledge of heavy, and pharmaceutical chemical buying and should be capable of taking charge of the Chemical Purchasing Department. Full particulars should be stated previous experience, together with salary expected. Please reply to 577/664, C. & D. London Office.

**BERKSHIRE.** Unqualified Assistant (male or female) required immediately for small manufacturing laboratory, good salary, special war bonus and bonus on turnover paid. Deferment would be granted by C.P.W.C. Hickman & Metcalf, Ltd., Market Place, Newbury.

**DISTRIBUTING** Agents required by Bottle and Glue Manufacturers, for Representation throughout country. Additional lines suitable for Chemical and Hardware trade will also be made available. Write Box 13, New Era Advertising Service, Ltd., 11 Meadow Close, Raynes Park, S.W.20.

**LADY,** age 20 to 40—Hall qualification or equivalent, qualified, but with Chemist's experience, to take charge of packing room, wholesale and manufacturer chemists. State age, experience, salary, and references. Reade Brothers & Co., Ltd., Cleveland Road, Wolverhampton.

**REPRESENTATIVES** required to obtain orders for Petroleum Jelly, Liquid Paraffin, Stearic Acid, Technical White Oil, Borax, Waxes, Gums, Oils, Dyes, Labels, Perfumes and Emulsifiers requiring the addition of water only to make excellent preparations, far superior to most obtainable at present. Also for bottles, jars and tins, screw caps, cartons, cases, etc. The British Surgical and Dispensing Co., Ltd., Fortess Grove, London, N.W.5.

**REPRESENTATIVE** (whole time) required for London Manufacturing Chemists for their customers in Hampshire, Western Counties, and South Wales. Knowledge of drug trade essential. Apply stating experience, remuneration, etc., to 574/566, C. & D. London Office.

**REPRESENTATIVE** required for London and South Wales Wholesale Druggists. Write stating age, experience, etc. 576/640, C. & D. London Office.

**REPRESENTATIVES** (A) whole, and (B) part time (Salary and Commission basis) required for Lancs by well-known London Manufacturer concentrating in Pharmaceutical Trade with well-advertised lines. Apply immediately direct (A) or (B) to Box W. 51164 Haddon's, Salisbury Square, London, E.C.4.

**TABLET** Maker required, for progressive Firm with modern machinery. Excellent prospects. 577/668, C. & D. London Office.

**TABLET-MAKER** (Assistant) required urgently by Manufacturing Chemists, West of London. Very good wages for suitable applicant. Five-week. Exempt preferred. Write Box 314, Smith 100 Fleet Street, E.C.4.

**TWO** experienced full-time Representatives required to introduce nationally advertised proprietary lines to Chemists (1) London area; (2) Hants. Good connexion amongst Chemists essential. Salary, commission and expenses. Send full particulars to Box W. 51175 Haddon's, Salisbury Square, London, E.C.4.

**QUALIFIED** Assistant with good all-round knowledge of the trade required as Charge Hand of a wholesale manufacturing laboratory. Percy for suitable applicant. Apply giving full particulars of experience, salary required, etc., to Messrs. J. & Sons, Ltd., Peterborough.

## SITUATIONS WANTED

For 18 words or less, 1d. for every additional word.

### RETAIL (HOME)

**PENSER** (Hall), experienced N.H.I. Dispensing and Counter work, requires Post London preferably busy dispensing. 577/677, C. & D. Office.

**QUALIFIED**, all-round general experience during past 25 years, seeks opening Retail or Wholesale. Must be progressive and permanent. 75, C. & D. London Office.

### WHOLESALE

**ST-CLASS** Medical Pharmaceutical Representative seeks Post, M.P.S., exempt, South and West preferred (not essential). Eight-and-a-half years' best experience amongst doctors, hospitals, institutions, chemists. Would represent two or three good houses if products dissimilar (sharing fees). Pearson, 12 Romsey Road, Winchester.

**D** Salesman, Traveller, exempt from M.S., and N.S., wants good offer; wages, expenses, commission, excellent refs. Big connexion Southern Counties. A. Beck, 54 Davis Road, Acton, London.

**BEST** Credentials, long experience, car, Sales and Propaganda. Permanency. First-class Principally. East, South-west, South Wales. "Representative," 29 High Street, Dawlish, Devon.

**TIME**, Qualified and thoroughly experienced Chemist would like routine analytical work. Foods, Drugs, B.P. Assays, etc. Own lab. 577/667, C. & D. London Office.

**PHARMACIST** (39), exempt; now engaged Sales and Management and Medical Propaganda with a well-known Firm, desires change. Extensive knowledge of the trade and comprehensive experience in sales, advertising, and marketing of both pharmaceuticals and nationally advertised proprietaries. Desirable position sought with firm of repute, conscientious and earnest endeavour would be appreciated, and offering prospects of directorship participation. Highest credentials. CDB/321, C. & D. London Office.

**ACTIVITY**. Manager of Advertising Department and of Market Research of well-known manufacturing and research chemists will be free shortly to accept a position of similar responsibility. Exceptionally wide advertising experience both consumer and industrial lines and in organisation and planning. Competent, keen and adaptable. 576/647, C. & D. London Office.

## APPOINTMENTS

### KIDDERMINSTER AND DISTRICT GENERAL HOSPITAL

Applications are invited from persons of either sex, not liable for military service, for the Temporary Post of PHARMACIST, for the duration of the War or the release of the permanent Pharmacist by the Admiralty, whichever is earlier.

Applications should be sent immediately to the undersigned, giving full details of age, experience, qualifications, etc.

Applicants should be fully qualified and preferred should have had experience in a Voluntary Hospital. Salary would be according to experience, but not less than £275 per annum.

C. M. SMITH,  
House Governor and Secretary.

## WARREN ROAD HOSPITAL GUILDFORD

**ASSISTANT PHARMACIST**. Temporary for further duration of war. Salary grade for applicants holding M.P.S. or Ph.C. qualifications, £250 x £10—£300 p.a., plus war bonus 19s. male, 15s. 6d. female. Salary grade for unregistered dispenser, £175 x £10—£225 plus war bonus. Apply to Medical Superintendent.

## AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

**AGENTS** wanted. Manufacturing chemists, making at present four good lines: (1) a non-poisonous Beetle Powder, (2) a new Vermicide, poisonous but not scheduled, (3) a Chemical Chimney Cleaner, (4) a Window Cleaner, wish to contact buying/wholesale agents in all parts. Sound connexion with chemists, ironmongers, grocers, stores and multiples essential. Good supplies of (1) and (2) now ready. 576/662, C. & D. London Office.

**AGENCIES** required now and post-war for high-quality products offering good value and repeat business. Sales organisation covers entire Kingdom. Reply 577/663, C. & D. London Office.

**DISTRIBUTORS** wanted. Manufacturer ready to launch a range of new Textile Cosmetic products immediately regulations permit. Contemplates appointing sole distributors. Only established organisations of national repute will be considered. Write 577/676, C. & D. London Office.

**EIRE**. Well-established Selling Agency with storage and manufacturing facilities covering the whole of Eire, seeking one or two additional lines on commission. Immediate or post-war. Write Box 583, c/o Erwoods, Ltd., 30 Bouverie Street, London, E.C.4.

**MANUFACTURERS** and Distributors wanted for new Denture Cleanser for sale through Wholesale and Retail Chemists. Necessary raw materials which are not subject to control can be obtained without limitation. Product has been developed to final stage and covered by patents. It has been well tested by the public over the past four years, proving all claims to clean dentures and keep them clean, and definitely removes all tartar. Harmless to dentures of all types and materials. Write in first instance to 577/670, C. & D. London Office.

**REPRESENTATIVE** (43), well-known; sixteen years Southern Scotland including Glasgow and Edinburgh (same firm). Strong connexion Wholesale and Retail Chemists, Co-ops, Hairdressers, seeks one or two really first-class post-war Agencies. Full particulars gladly supplied. 577/665, C. & D. London Office.

**WE** are appointing Agents for our products which are applicable to retail chemists and drapers. Will those Agents wishing to carry these contact us immediately giving full details in first letter. Some knowledge of the selling of surgical dressings and chemicals essential. CDB/320, C. & D. London Office.

**YORKSHIRE**, Durham, Northumberland, Cumberland, Westmorland. Representative employing two Assistant Travellers covering territory outlined above, with long-established and valuable connexion amongst Wholesale and Retail Chemists, Co-operative Societies, Departmental Stores, requires additional Agencies. Pharmaceuticals, Toilets, Chemists' Sundries, for immediate and post-war representation. Only house of repute entertained. Apply, 577/681, C. & D. London Office.

## EDUCATIONAL

### OPTICAL TUITION

For the Diploma Examinations. Particulars: The Dublin College of Optics, 10 Lower Abbey Street, Dublin.



**WANTED**

7/6 for 36 words or less, 2d. for every additional word.

**ASPIRIN** Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

**AUTOMATIC** Cream Filler wanted at once; big price paid. Shavex Co., 40 Bavaria Road, Holloway, N.19.

**BOTTLES** and Jars wanted, of any description, from 20 gross to 1,000 gross. Write 576/651, C. & D. London Office.

**CARTONS.** Round cartons for packing insect powder required. Size approximately 2" x 3". Full particulars: Rentokil, Ltd., 168 Stockwell Road, S.W.9.

**CHEMICAL** Laboratory Equipment, complete or in part, urgently wanted by manufacturing chemists whose premises were destroyed by enemy action. Write 576/635, C. & D. London Office.

**CHEMICAL** Manufacturers require Flat Medical Bottle-labelling Machine; also Corking Machine. Write, giving particulars, to Box ZX 669 Deacons, 5 St. Mary Axe, London, E.C.3.

**SMALL** Square Perfume Bottles required, approx. capacity 7 c.c., up to 250 gross. Write, 577/669, C. & D. London Office.

**SPRAYERS** of all types required. Atomisers and garden sprays. Large or small quantities. Full particulars: Rentokil, Ltd., 168 Stockwell Road, S.W.9.

**WANTED**, 500 to 1,000 gross No. 3 or No. 2 Tablet Bottles with or without screw caps. Quantities of 20 gross upwards equally acceptable. Offers and samples to Bayer Products, Ltd., 272 Colney Hatch Lane, N.11.

**WANTED**, 6-oz. Bottles urgently. Any quantity over 5 gross lots. Box H/12, W. H. Smith & Son, Ltd., Manchester, 3.

**WANTED**, Microscopes, all models, particularly good outfits up to £300 or £400. High prices, immediate cash. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

**WANTED**, any quantity from 4 oz. upwards, of Vanillin crystals. 577/679, C. & D. London Office.

**WANTED**, Filling Machine for Liquids, Automatic preferred, to fill up to 8 oz. Send full particulars to 105 Tonbridge Road, Maidstone.

**WANTED**, 3-oz. Medical Flats, Screw cap, panel or sloping shoulder. Sample and price, Hough Hoseason & Co. Ltd., Pendleton, Manchester.

**MISCELLANEOUS SALES**

12/6 for 60 words or less, 1/- each additional 10 words or less

**CARDBOARD** Drums, assorted colours. Complete with Metal Perforated and Sealed Caps. Suitable violet powder, etc. Size 41" x 15". 500 gross for disposal. Samples and price on application. 576/642, C. & D. London Office.

**FOR** Sale. Single Punch Tableting Machine suitable for hand or power. Write 576/637, C. & D. London Office.

**FOR** Sale. 200 gross of Claret Bottles, 1½'s; also Burgundy Bottles. Call, phone or write, L. Banks & Co., 1-3 Springfield Lane, Kilburn, London, N.W.6. Maida Vale 2748.

**FOR** Sale. 200 Tea Chests at 6s. each; 4,000 mixed Cartons at 9s. per doz. L. Banks & Co. (Kilburn), Ltd., 1-3 Springfield Lane, Kilburn, London, N.W.6. Phone: Mal. 2748.

**FOR** Sale. 100 gross New 4-oz. Amber Jars, screw top, U.G.B. type. Write 577/673, C. & D. London Office.

**FILLING** Machine (Rotary) up to 20 oz. Bottles, for Sale. Good working condition. Made by Barnett & Foster. Write Box ZY, 670 Deacons, 5 St. Mary Axe, London, E.C.3.

**HALF** cwt. Finely-powdered Gum Tragacanth for Sale. Offers invited. Send stamp for sample. Brighton Chemical Co., Ltd., 177 Stonegate Road, Leeds, 6.

**SMALL** Stocks for disposal: 1-oz. Toilet Bottle 10-oz. Osborne Jars; 2½-oz. Tobins; 2-oz. Squat White Flint Jars. 37 Lewisham Road, London S.E.13.

**3** LB. of Lithium Guaiacate, 2 lb. Lithium Phosphate. Offers to 577/680, C. & D. London Office.

**BUSINESS OPPORTUNITIES**

7/6 for 40 words or less, 2d. every additional word.

**FIRST-CLASS** Scottish Firm established over years, with excellent connexions, offices in the centres in Scotland and Northern part England good selling organisation and ample capital, see exclusive Representation of Manufacturers. Materials required in Chemical and Pharmaceutical trade. Inquiries in first instance to 576/661, C. & D. London Office.

**OLD** Spanish House with Sales organisation throughout Spain, is desirous of contact Manufacturers and Exporters who are interested a close and practical contact with the Span industry. London representatives: M. A. Hidalgo, Ltd., Market Place, Oxford Circus, London, W.1.

**BUSINESSES FOR DISPOSAL**

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**DRUG** Stores, Surgical Belts. Grand opportunity for qualified man. Central position. Without property. Only genuine applicants apply. W. Goode, 120 Central Drive, Blackpool.

**EXCEPTIONAL** opportunity—Wimbledon. Established Chemist's Business (temporarily closed during war); good Freehold Shop with fittings and excellent living accommodation. For sale with possession. Apply Farebrother, Ellis & 29 Fleet Street, E.C.4.

**MANUFACTURING** Chemist Sundries Business for immediate Sale, manufacturing Cosmetics and other sundries. Good class connexion. Price £1,200. Reason for sale health of proprietor. Must dispose immediately. Business established many years. Only genuine applications entertained. 577/678, C. & D. London Office.

**BUSINESSES WANTED**

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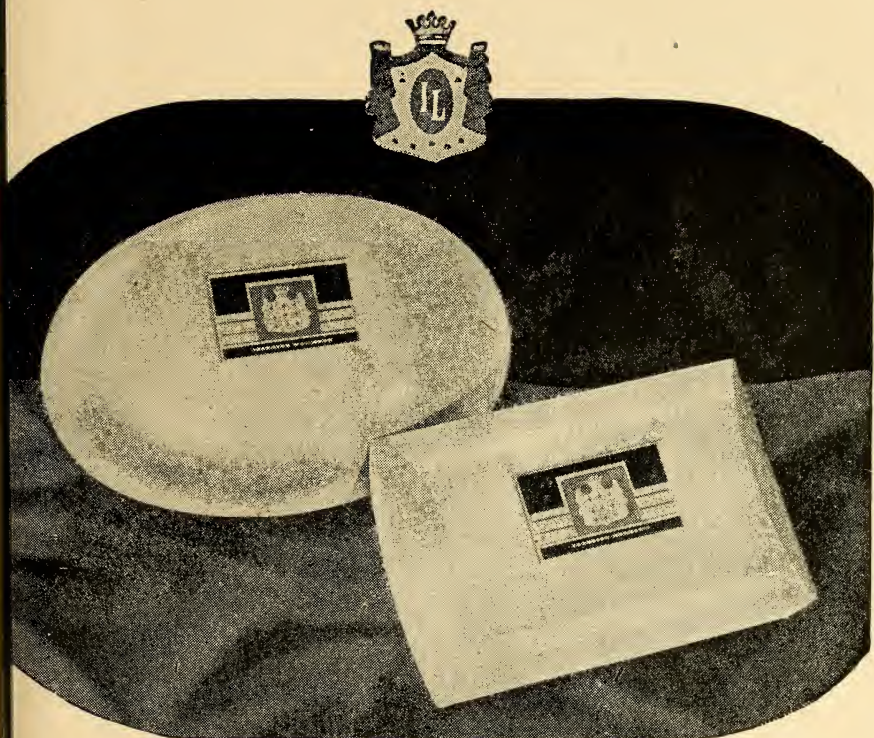
**HILLIER, PARKER, MAY & ROWE** Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop businesses occupying pre-war trading positions in London and Provinces. Group Concern would be seriously considered Owners contemplating sale or their solicitors invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

**WHOLESALE** Druggist's Business wanted. 577/671, C. & D. London Office.

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